

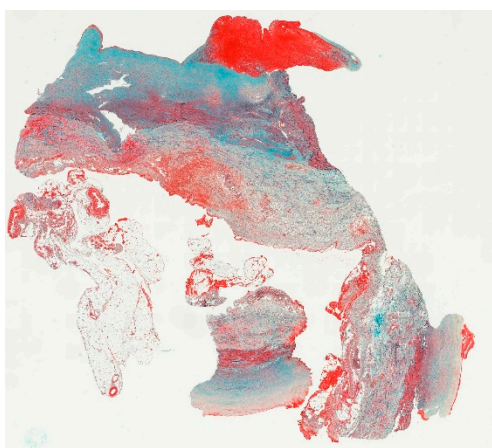
## Representative Histological Samples



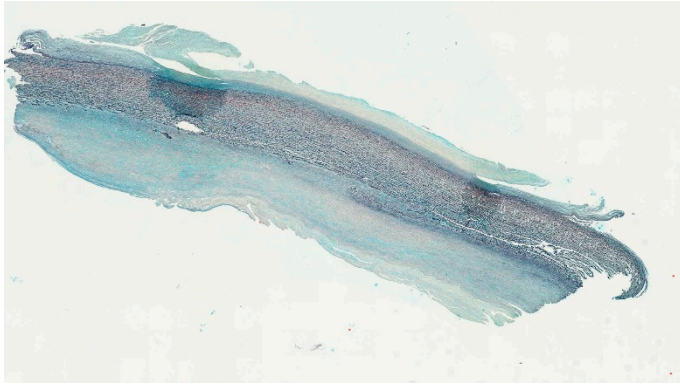
*sample 001-I*



*Sample 001-II*



*Sample 003-III*



*Sample 006-I*



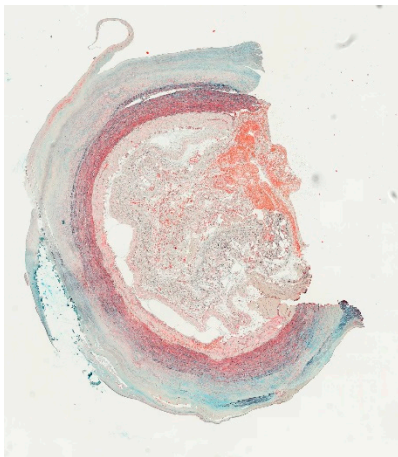
*Sample 006-III*



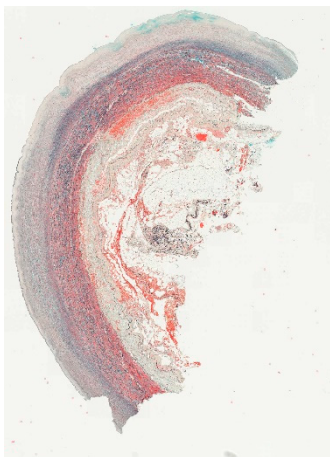
*Sample 007-II*



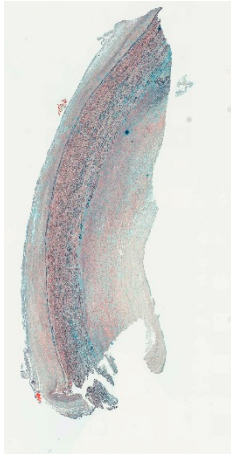
*Sample 007-III*



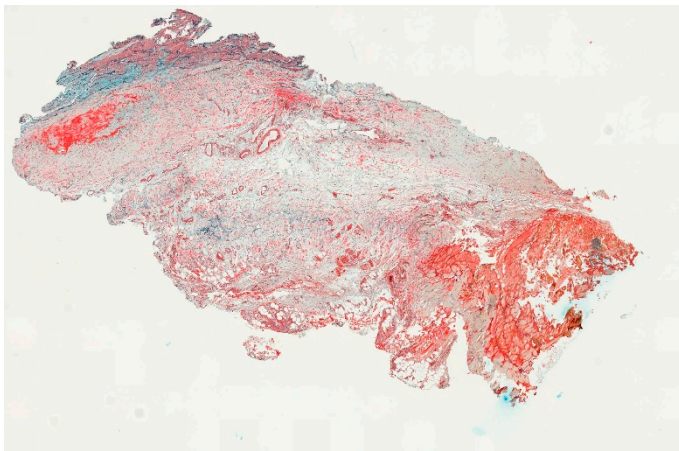
*Sample 008-I*



*Sample 008-II*



*sample 008-III*



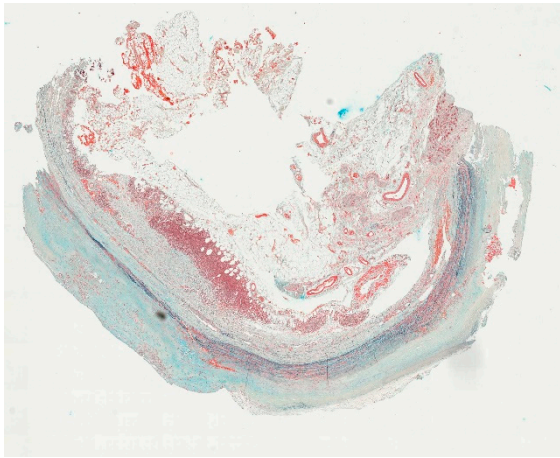
*Sample 009-I*



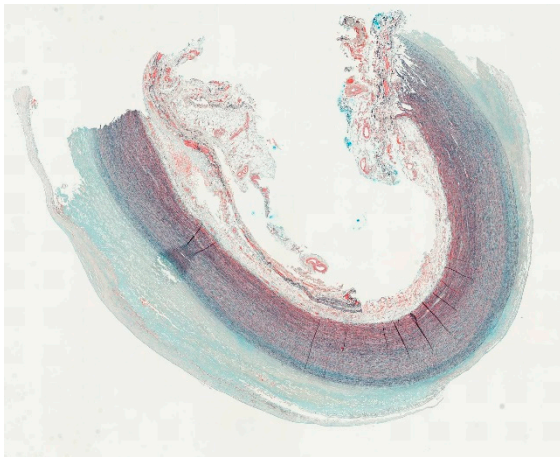
*Sample 010-II*



*Sample 010-III*



*Sample 011-I*

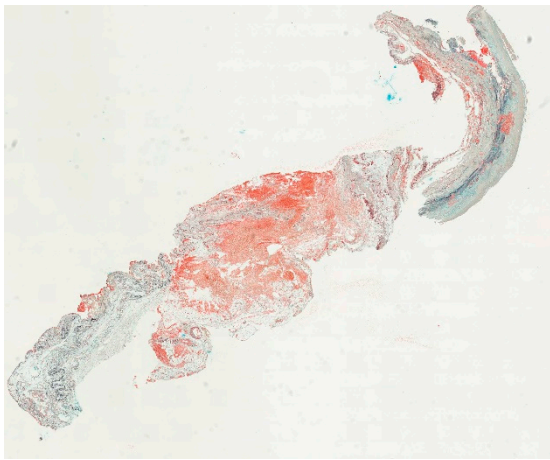


*Sample 011-II*

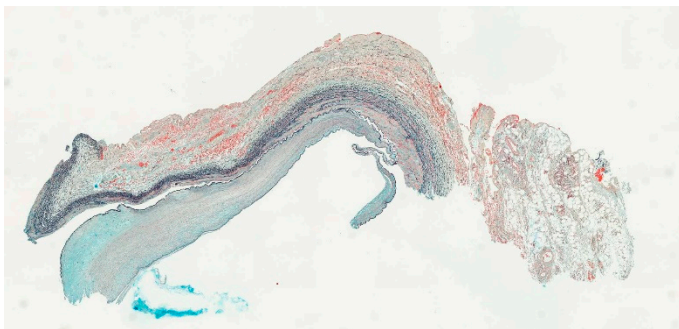




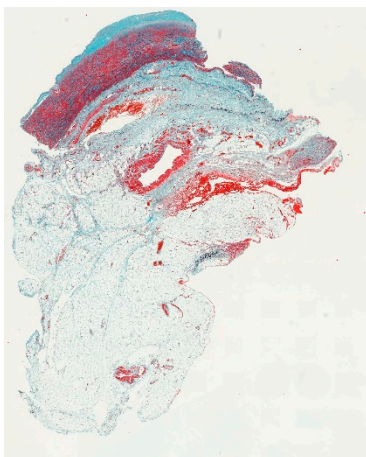
*Sample 013-I*



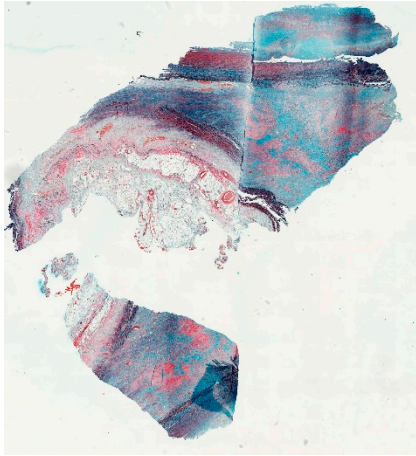
*Sample 013-II*



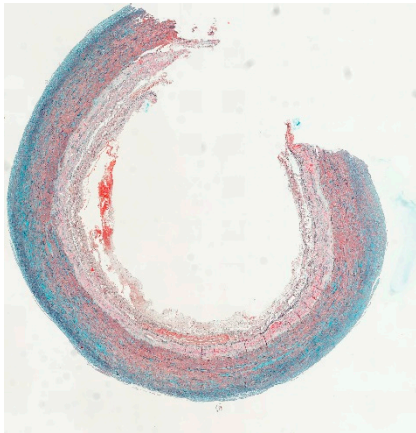
*Sample 013-III*



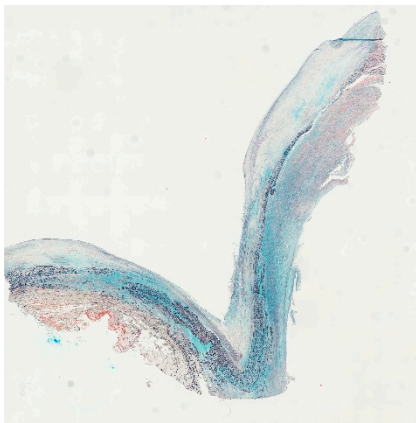
*Sample 015-II*



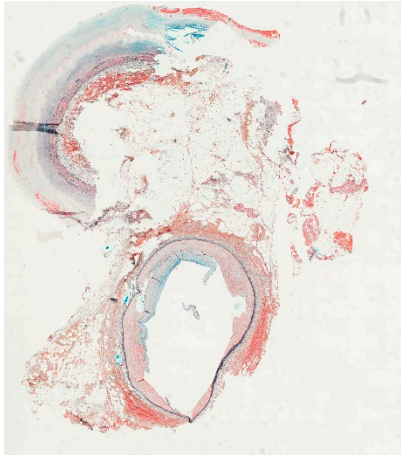
*Sample 016-I*



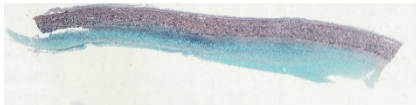
*Sample 018-I*



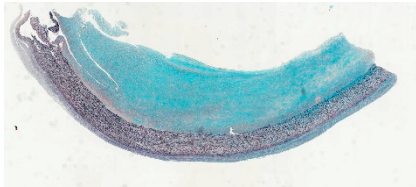
*Sample 18-II*



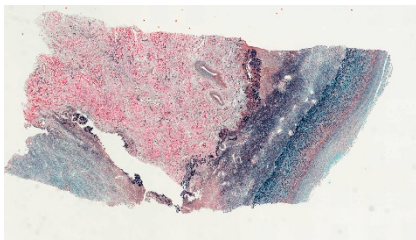
*Sample 018-III*



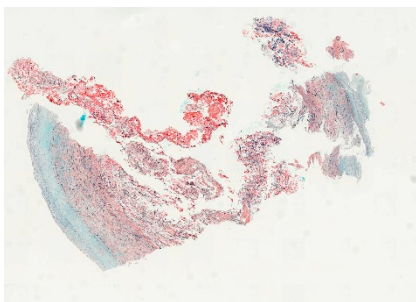
*Sample 019-I-1*



*Sample 19-I-2*



*Sample 019-II*



*Sample 019-III*

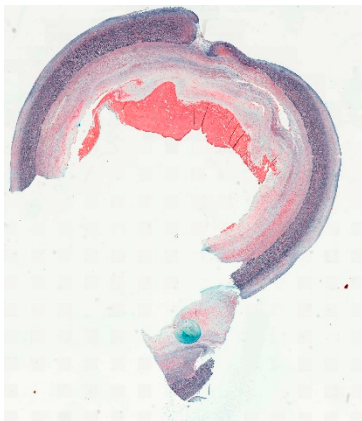




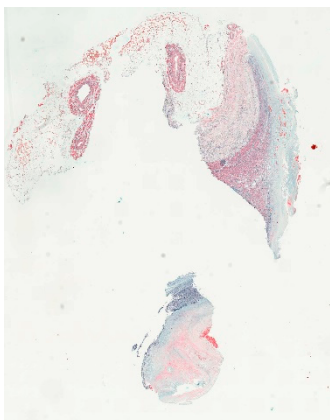
*Sample 020-I*



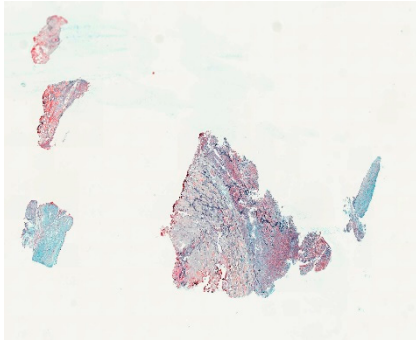
*Sample 020-II*



*Sample 023-I*



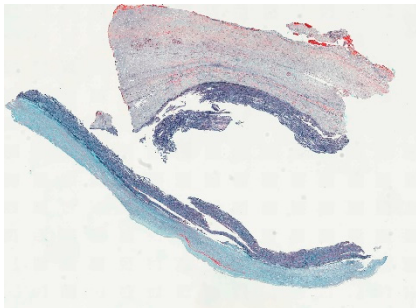
*Sample 023-II*



*Sample 024-IV*



*Sample 025-I*



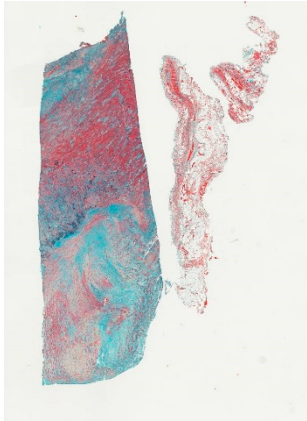
*Sample 025-II*



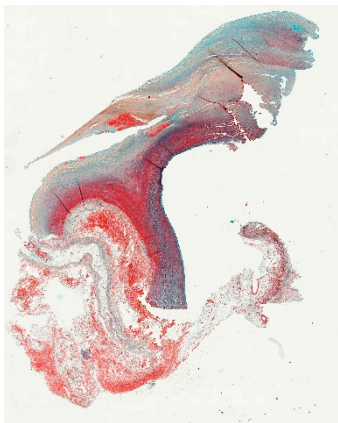
*Sample 026-I*



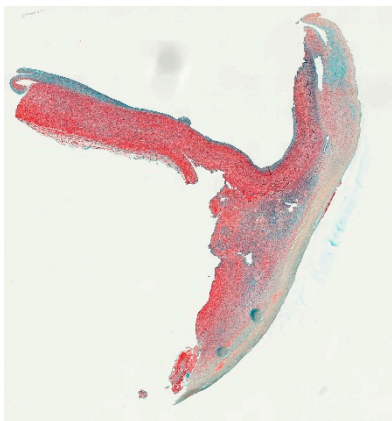
*Sample 026-V*



*Sample 027-I*



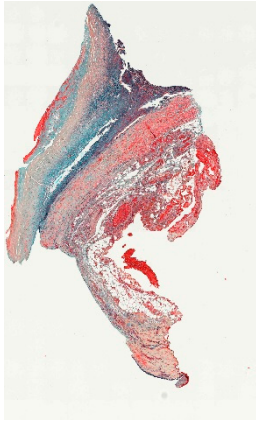
*Sample 027-II*



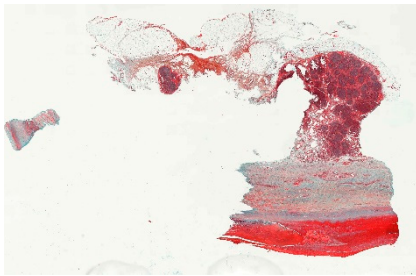
*Sample 027-III*



*Sample 028-I*

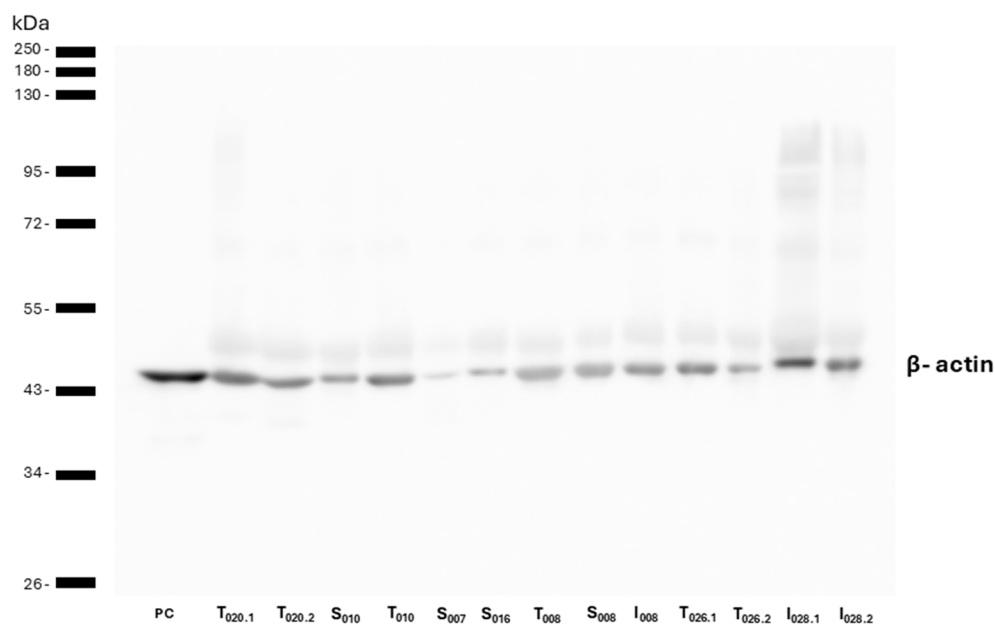


*Sample 028-II*

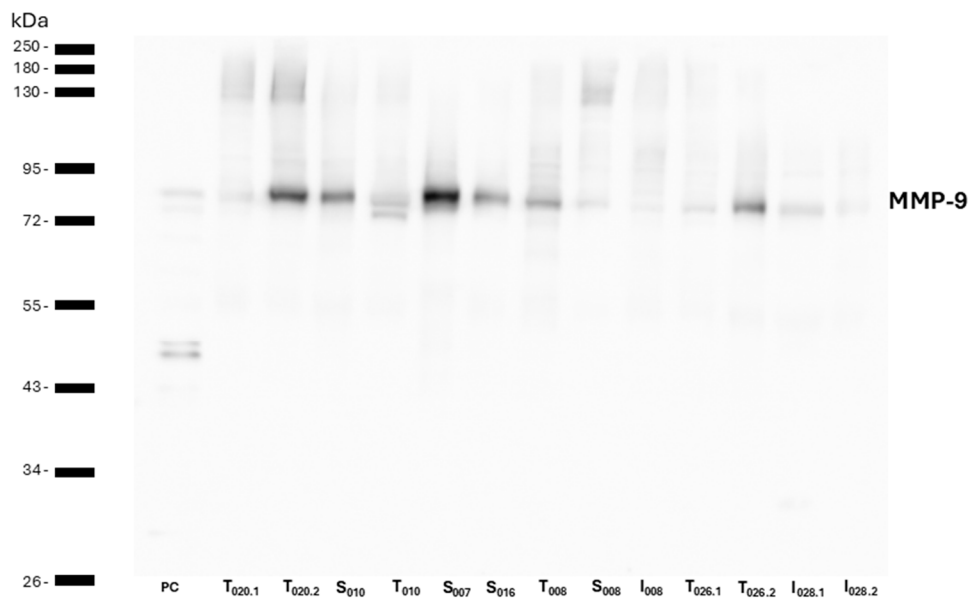


*Sample 028-III*

Western blot analysis

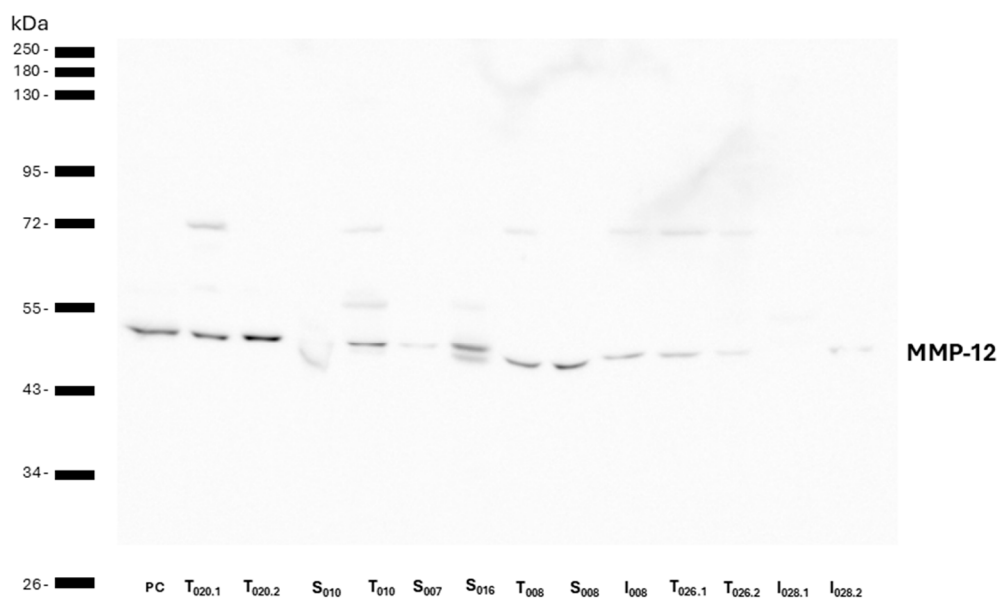


Western blot analysis 20230404\_1; Protein expression of TIMP-1; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment

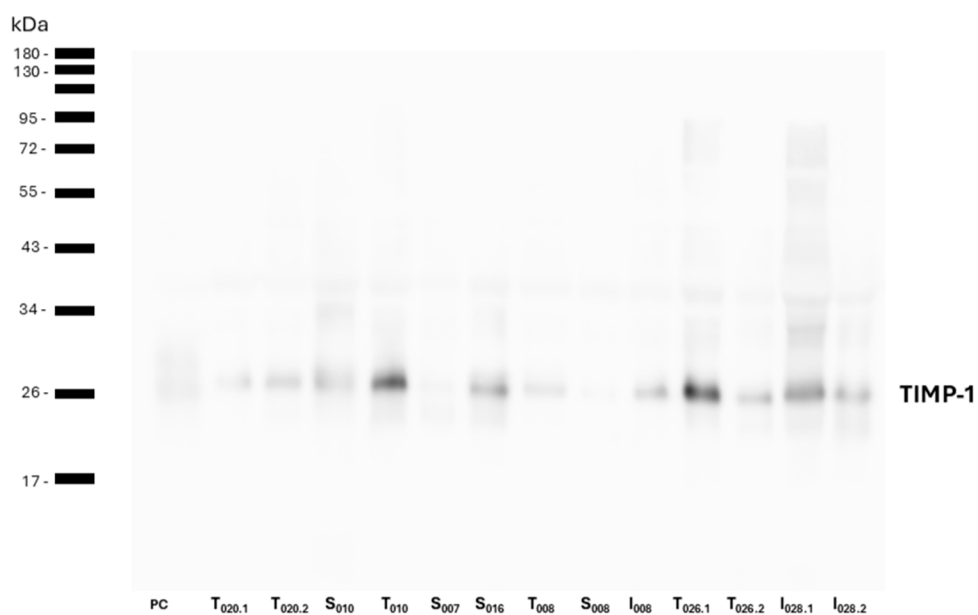


Western blot analysis 20230404\_2; Protein expression of MMP-9; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment

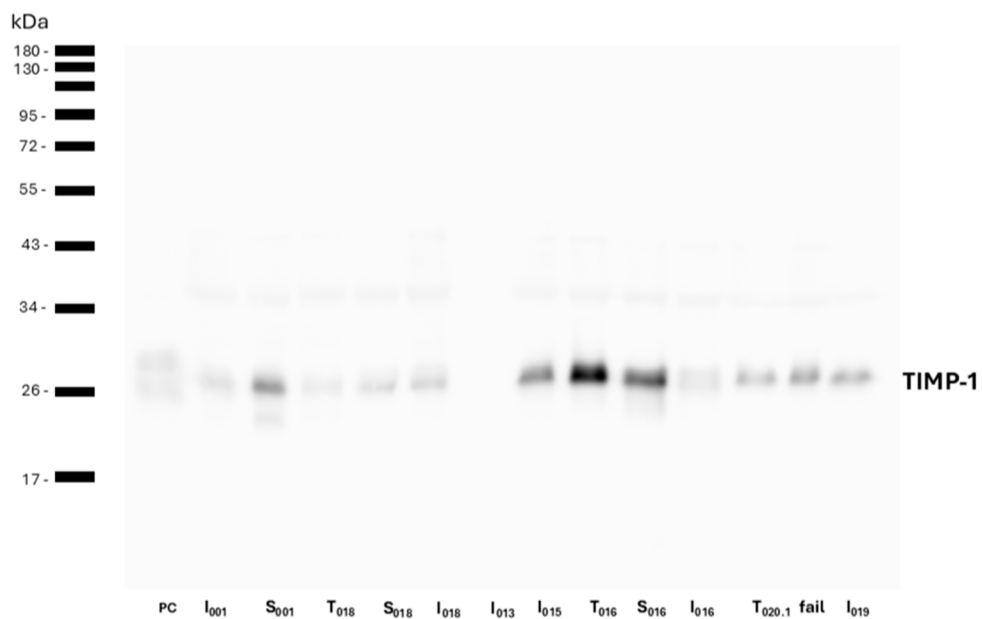




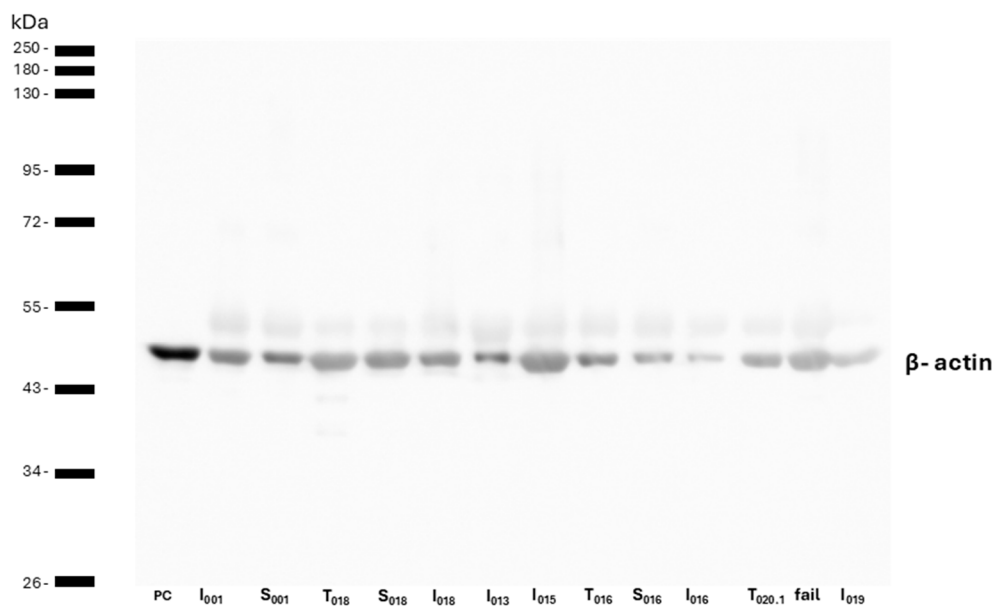
Western blot analysis 20230404\_3; Protein expression of MMP-12; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



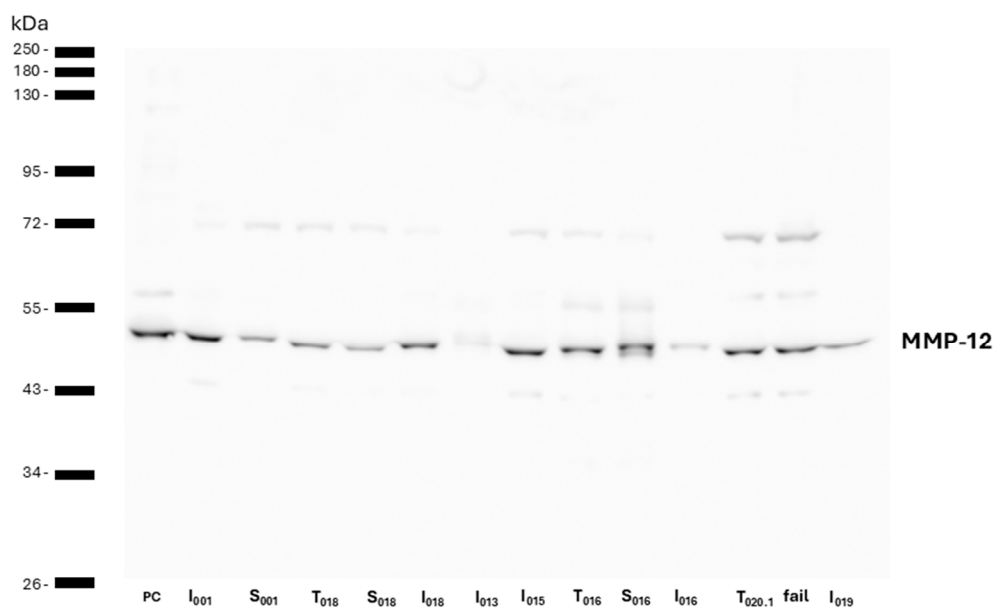
Western blot analysis 20230404\_4; Protein expression of  $\beta$ -actin; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



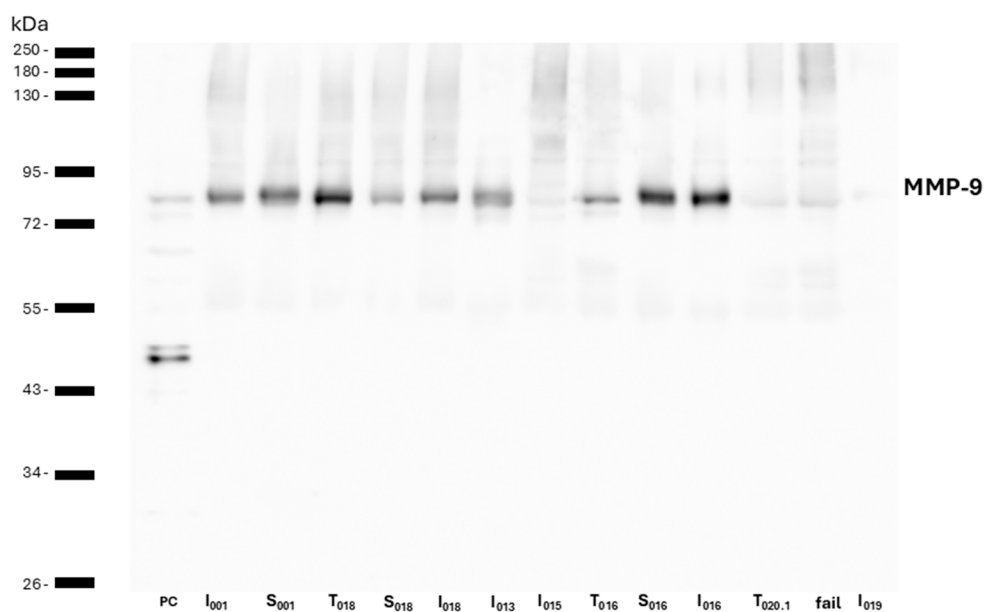
Western blot analysis 20230331\_1; Protein expression TIMP-1; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



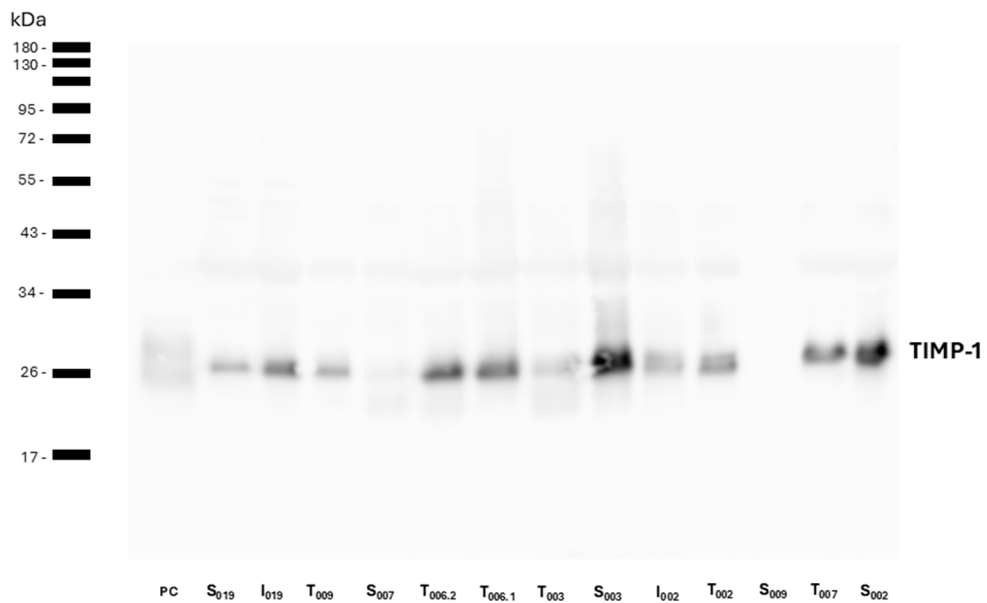
Western blot analysis 20230331\_2; Protein expression of  $\beta$ -actin; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



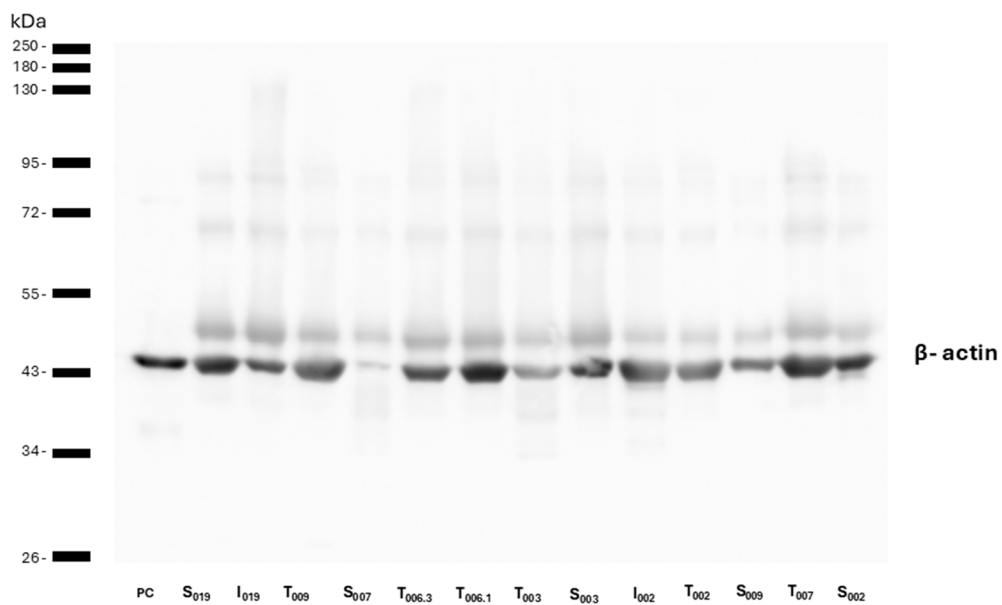
Western blot analysis 20230331\_3; Protein expression of MMP-12; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



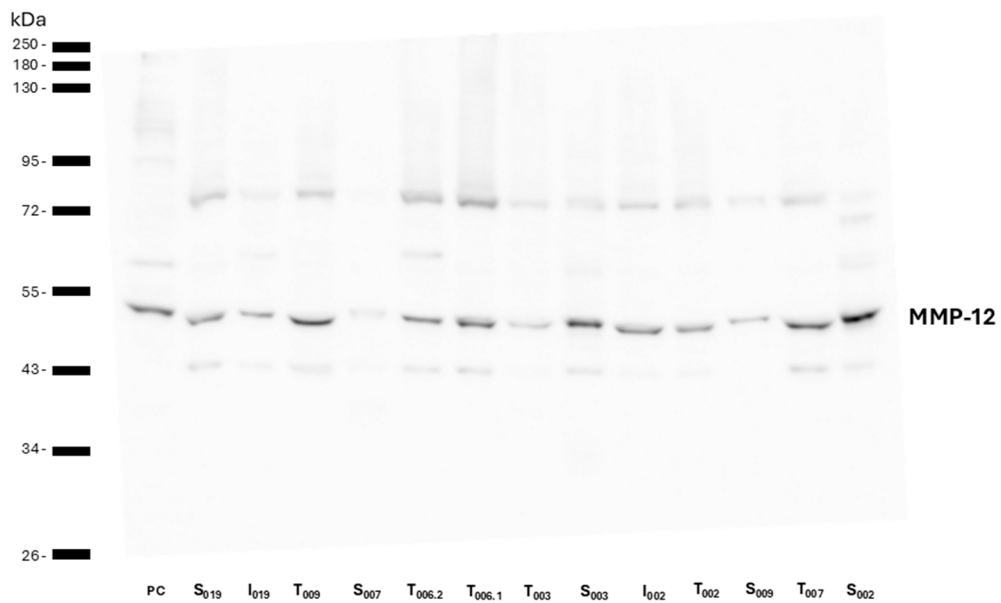
Western blot analysis 20230331\_4; Protein expression of MMP-9; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



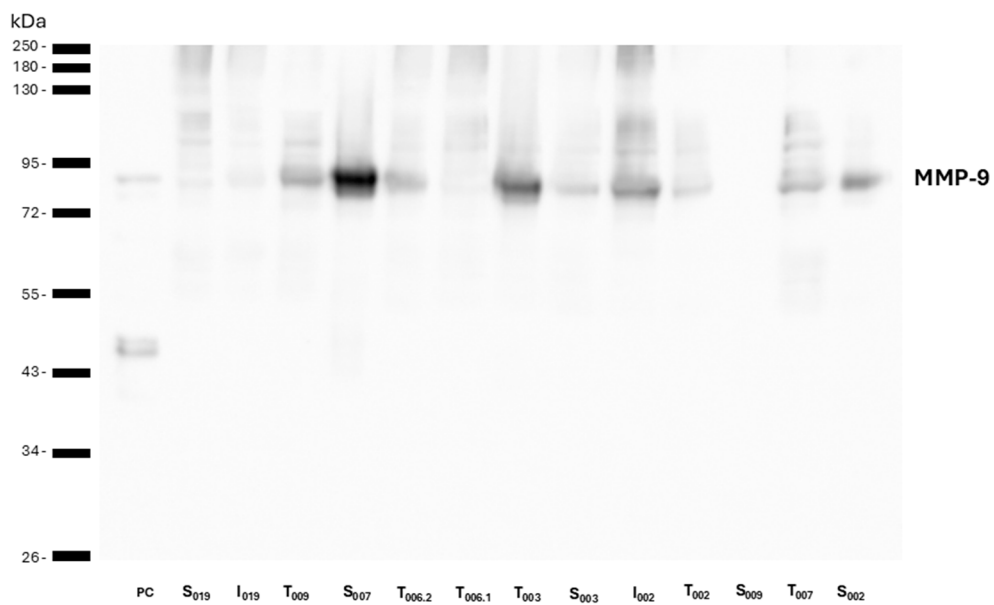
Western blot analysis 20230324\_1; Protein expression of TIMP-1; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



Western blot analysis 20230324\_2; Protein expression of  $\beta$ -actin; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment

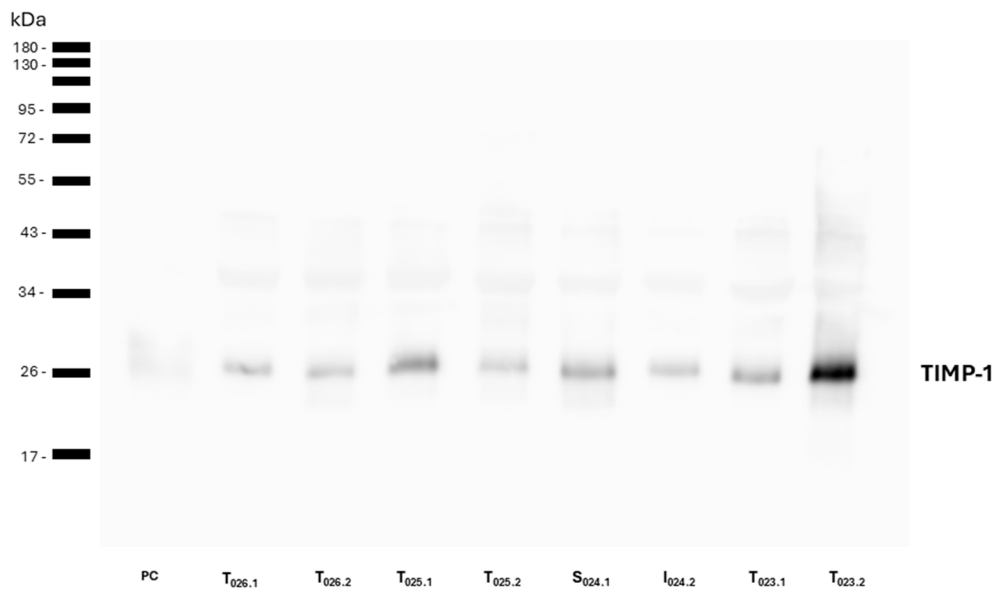


Western blot analysis 20230324\_3; Protein expression of MMP-12; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment

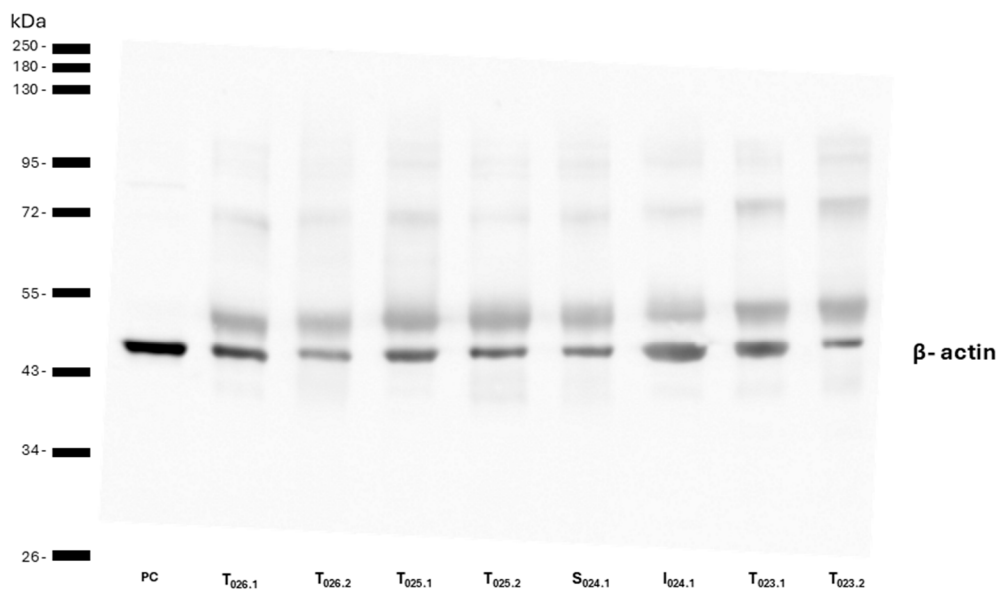


Western blot analysis 20230324\_4; Protein expression of MMP-9; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment

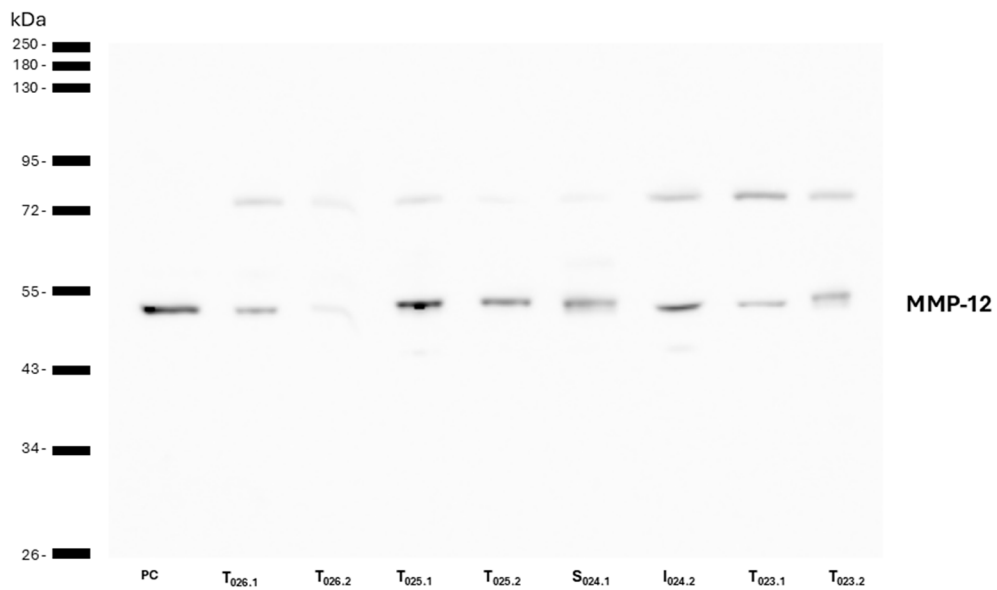




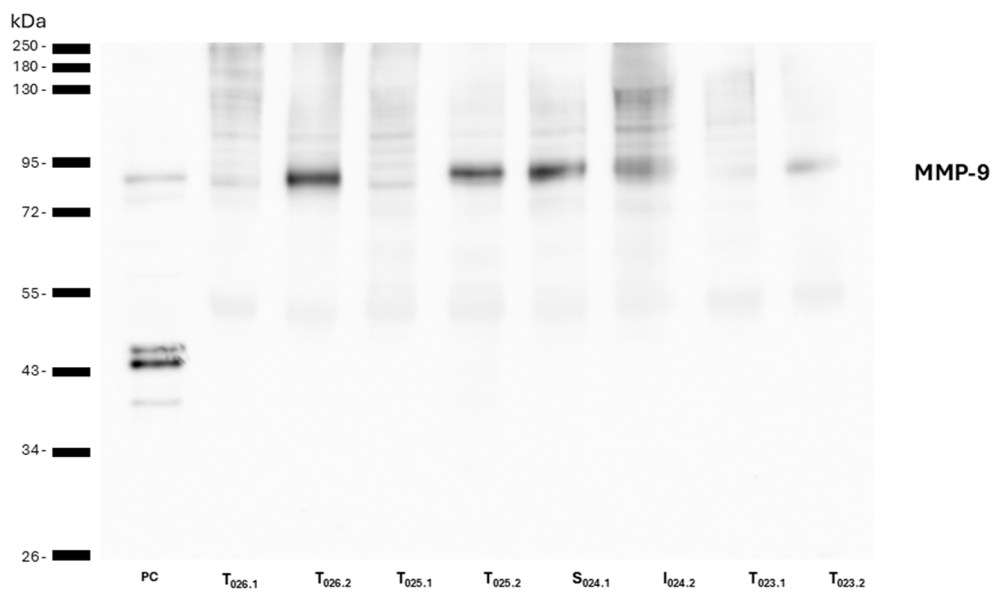
Western blot analysis 20230314\_1; Protein expression of TIMP-1; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



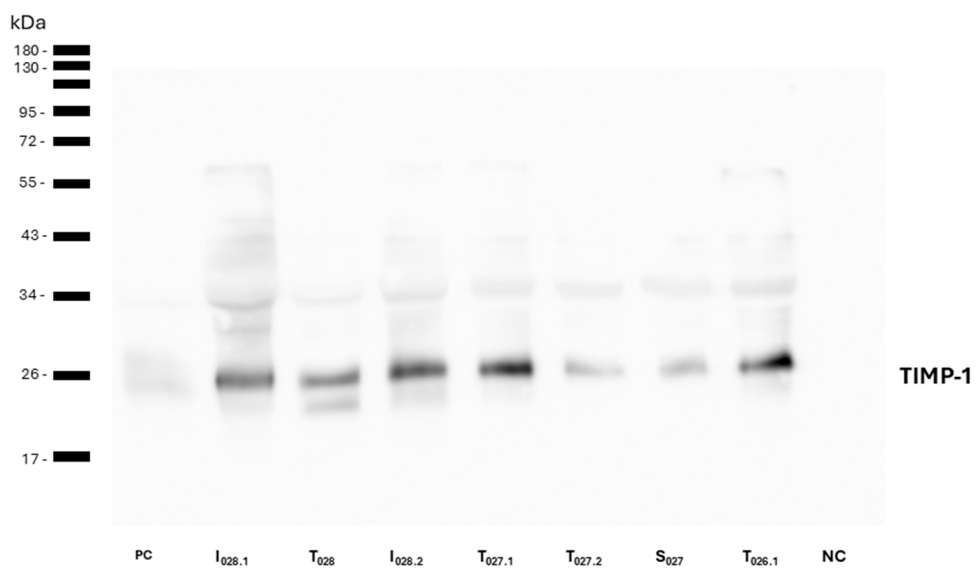
Western blot analysis 20230314\_2; Protein expression of  $\beta$ -actin; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



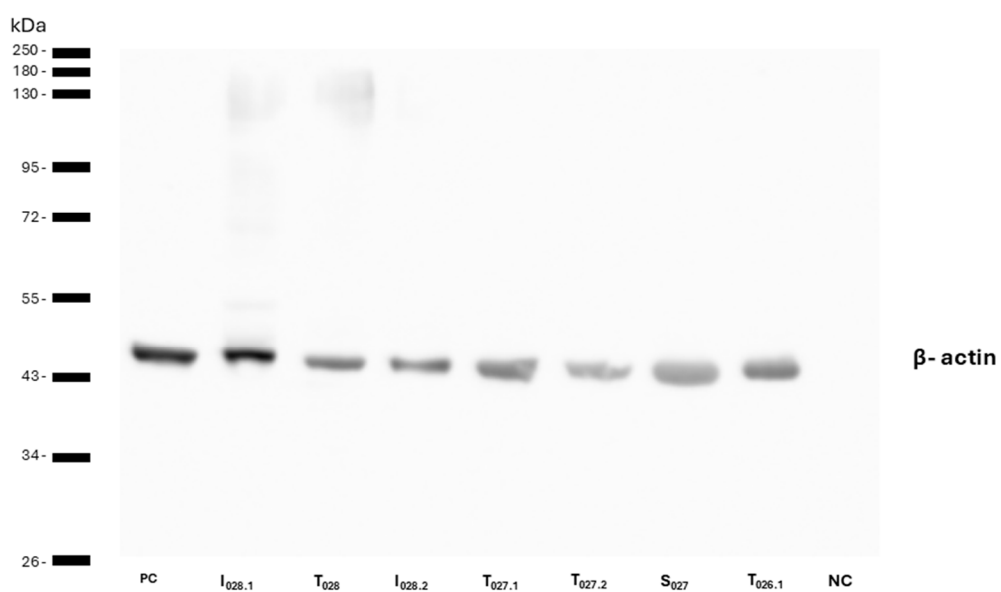
Western blot analysis 20230314\_3; Protein expression of MMP-12; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



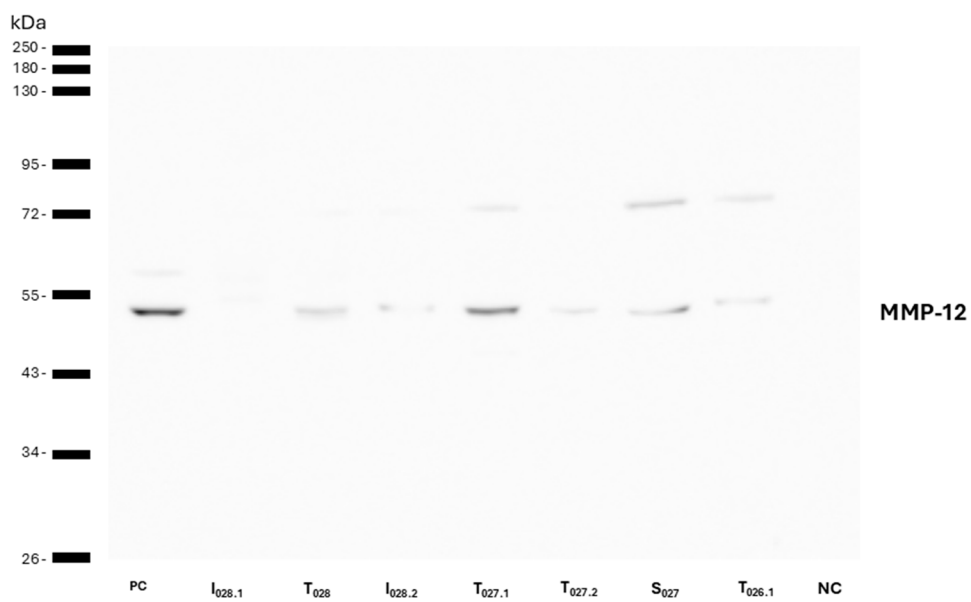
Western blot analysis 20230314\_4; Protein expression of MMP-9; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



Western blot analysis 20230310\_1; Protein expression of TIMP-1; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment; NC negative control



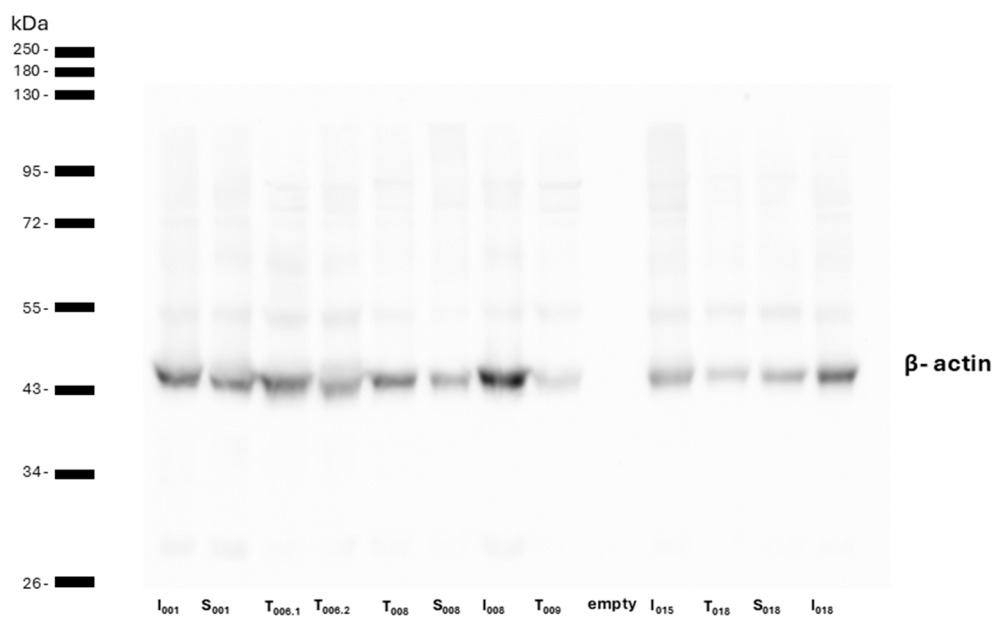
Western blot analysis 20230310\_2; Protein expression of  $\beta$ -actin; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment; NC negative control



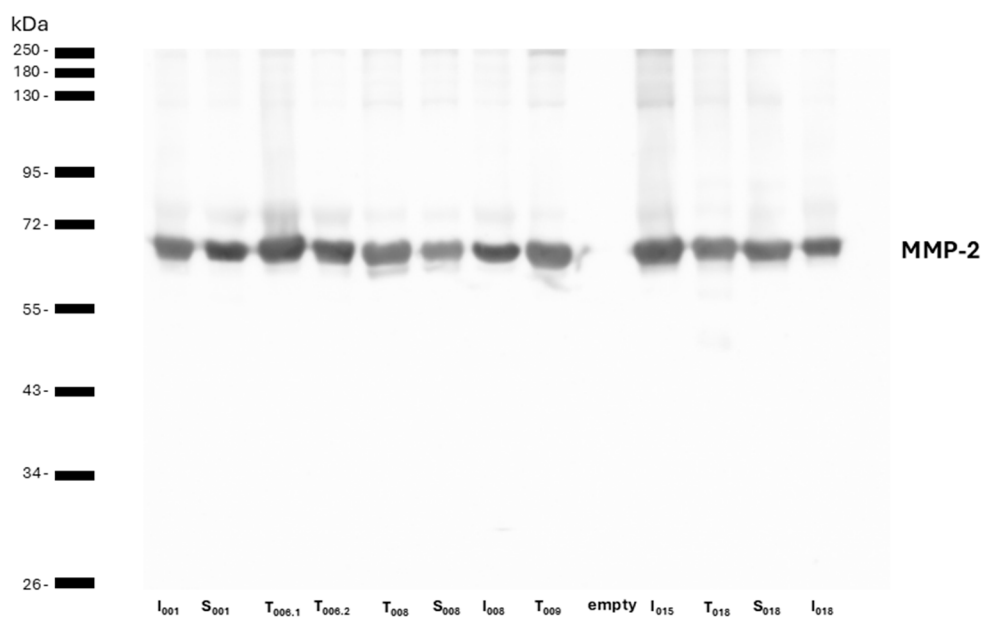
Western blot analysis 20230310\_3; Protein expression of MMP-12; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



Western blot analysis 20230310\_4; Protein expression of MMP-9; PC positive control; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment; NC negative control

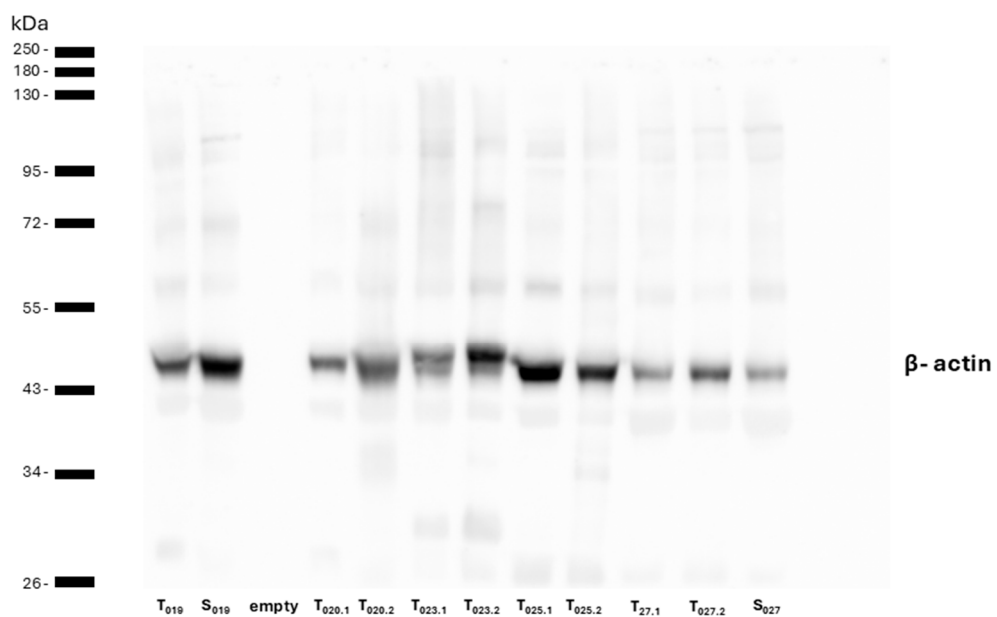


Western blot analysis 20250109\_1; Protein expression of  $\beta$ -actin; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment

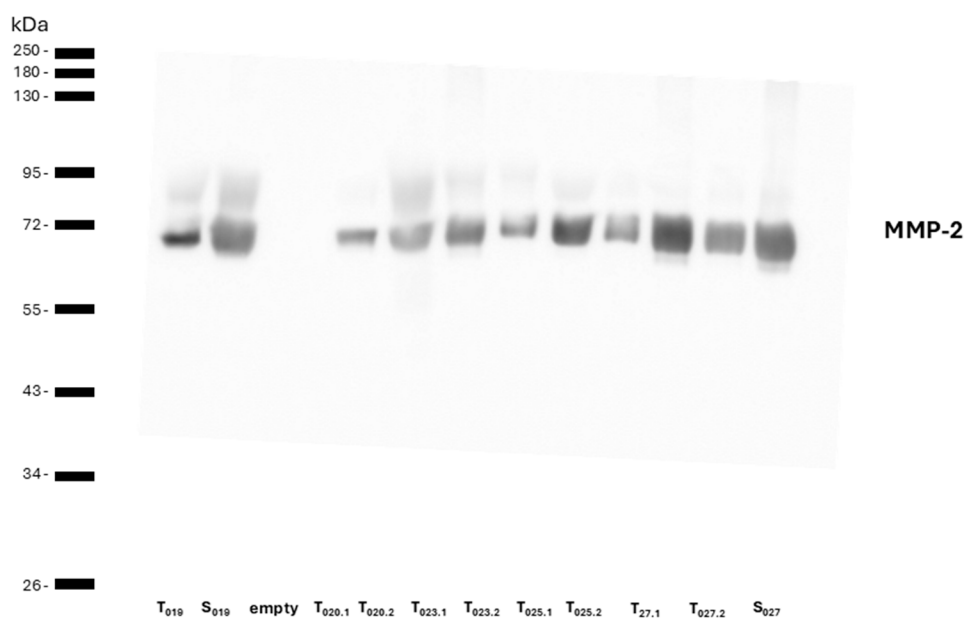


Western blot analysis 20250109\_2; Protein expression of MMP-2; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment





Western blot analysis 20250109\_3; Protein expression of  $\beta$ -actin; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment



Western blot analysis 20250109\_4; Protein expression of MMP-1; T thoracic aortic segment; S suprarenal aortic segment, I infrarenal aortic segment