

SUPPLEMENTAL MATERIAL

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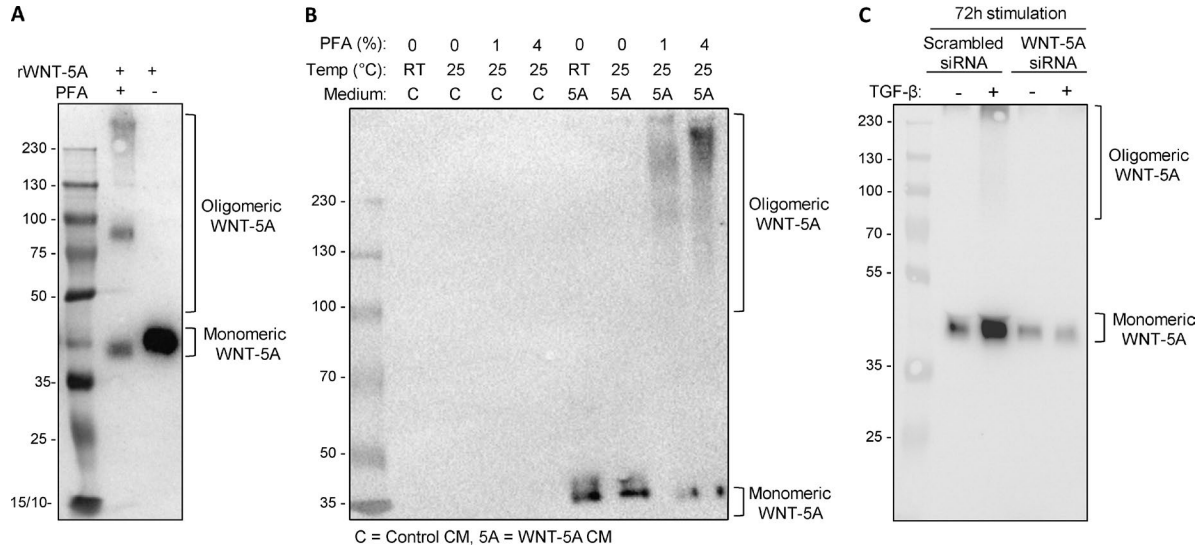


Figure S1. **Oligomerized WNT-5A is detected by human/mouse WNT-5A antibody MAB645.** (A) Recombinant human/mouse WNT-5A (10 ng) was treated without (PBS) or with 1% PFA for 25 min at 25°C (20 µl). Next the oligomerization was ceased by the addition of 50 mM Tris buffer, pH 6.8 (20 µl). Subsequently, loading buffer was added and samples were subjected to electrophoresis on polyacrylamide gels, transferred to nitrocellulose membranes, and incubated overnight at 4°C with MAB645 (dilution 1:1,000). WNT-5A was visualized using goat anti-rat HRP-conjugated secondary antibody. (B) L-cell-derived control CM (medium C) or WNT-5A CM (medium 5A) was incubated at room temperature (RT) or at 25°C for 25 min in the absence or presence of PFA (1 or 4%). Oligomerization was ceased by the addition of 50 mM Tris buffer, pH 6.8 (20 µl), and WNT-5A expression in the samples was visualized as described in the Materials and methods section. (C) MRC5 human lung fibroblasts were transfected with scrambled siRNA or WNT-5A siRNA and subsequently treated for 72 h without or with TGF-β (2 ng/ml). Supernatants were collected and concentrated (10×), and WNT-5A expression in the samples was visualized as described in the Materials and methods section. (A–C) Representative immunoblots showing the detection of monomeric and oligomeric WNT-5A. Protein marker indicates molecular weight in kD.

Table S1. Primer sequences for determination of gene expression in human and murine lung tissue

Species	NCBI reference sequence	Gene	Sequence
Human	NM_003392.4	<i>WNT-5A</i>	FW 5'-CCAAGGGCTCCTACGAGAGTGC-3' RV 5'-CACATCAGCCAGGTTGTACACCG-3'
Human	NM_022825.3	<i>PORCN</i>	FW 5'-gccgccaggaatTTTTCC-3' RV 5'-ggtgcttgcattcaggta-3'
Human	NM_000194.2	<i>HPRT</i>	FW 5'-AAGGACCCACGAAGTGTG-3' RV 5'-GGCTTTGTATTTTGCTTTTCCA-3'
Mouse	NM_015732.4	<i>Axin2</i>	FW 5'-AGCAGAGGGACAGGAACCA-3' RV 5'-CACTTGCCAGTTTCTTTGGCT-3'
Mouse	NM_007925.4	<i>Eln</i>	FW 5'-CCGTCATCTTGACTGCCTAGT-3' RV 5'-ATGACAGTGAACCAGTTGATAG-3'
Mouse	NM_009385.3	<i>Nkx2-1</i>	FW 5'-AGCTTCCGAAGCCGAAGTATC-3' RV 5'-AGAACGGAGTCGTGTGCTTTG-3'
Mouse	NM_010329.2	<i>T1α</i>	FW 5'-ACAGGTGCTACTGGAGGGCTT-3' RV 5'-TCCTTAAGGAGGCTTCGTC-3'
Mouse	NM_011359.2	<i>Sftpc</i>	FW 5'-AGCAAAGAGGTCCTGATGGA-3' RV 5'-GAGCAGAGCCCTACAATCA-3'
Mouse	NM_009524.3	<i>Wnt-5A</i>	FW 5'-GACTCCGACGCCCTGCTTTG-3' 5'-CCAATGGGCTTCTTCATGGCGAG-3'
Mouse	NM_008176.3	<i>Cxcl1</i>	FW 5'-ccgaagtcatagccacac-3' RV 5'-gtgccatcagagcagtcct-3'
Mouse	NM_013556.2	<i>Hprt</i>	FW 5'-CCTAAGATGAGCGCAAGTTGAA-3' RV 5'-CCACAGGACTAGAACACCTGCTAA-3'