**New insight into the mechanisms of ectopic fat deposition improvement after bariatric surgery**

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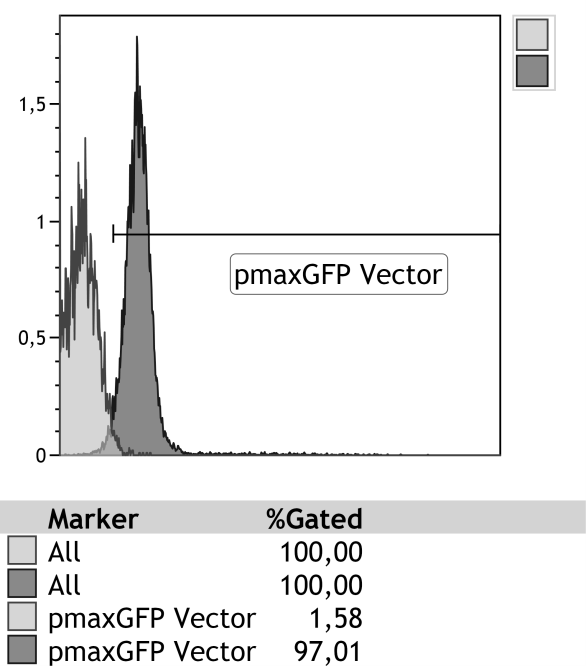
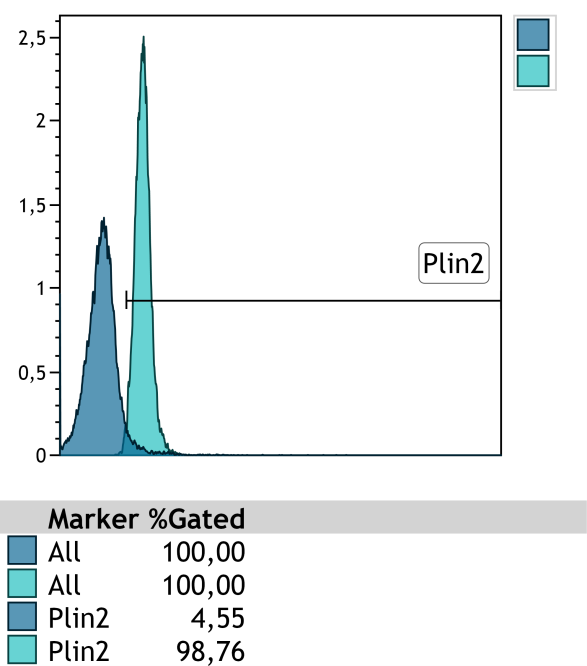
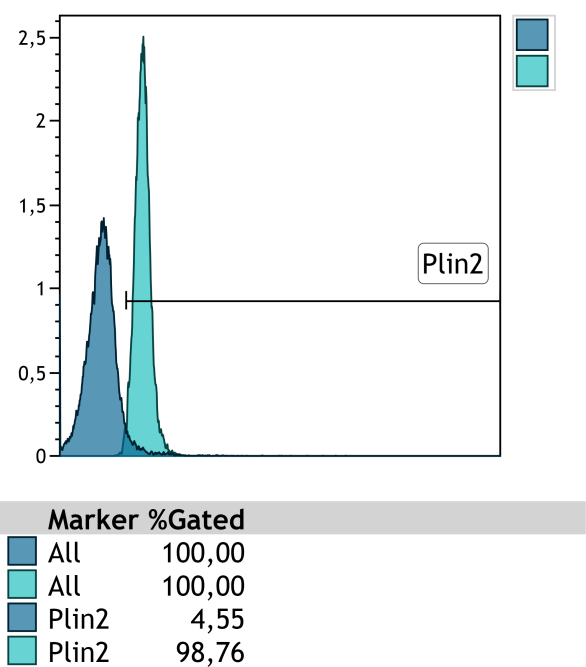
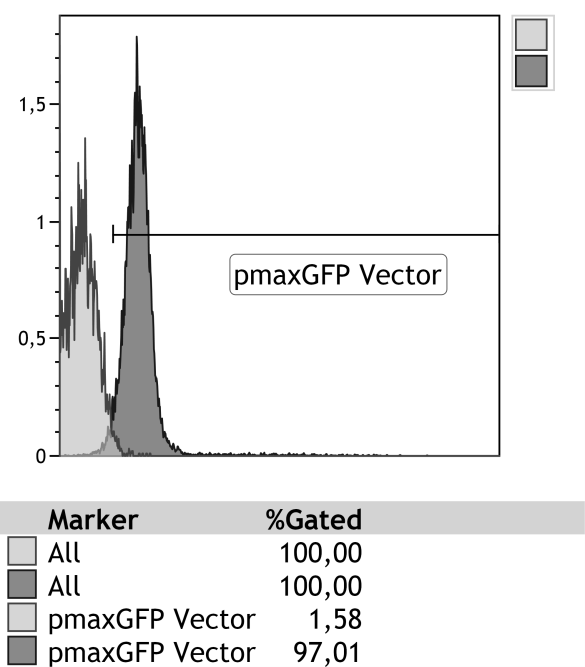
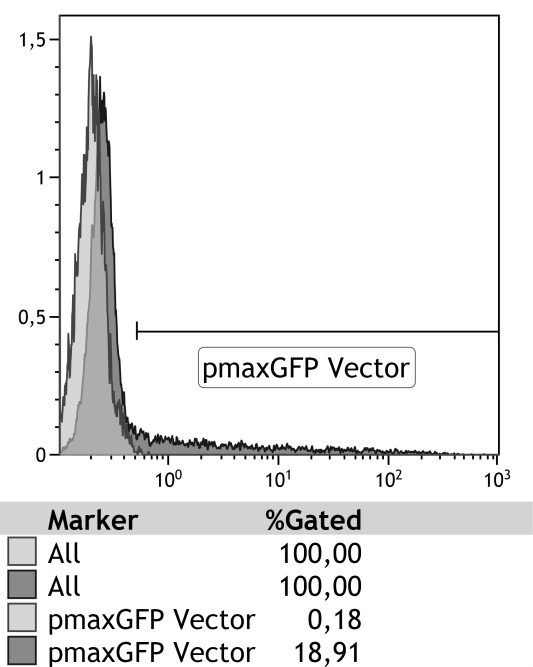
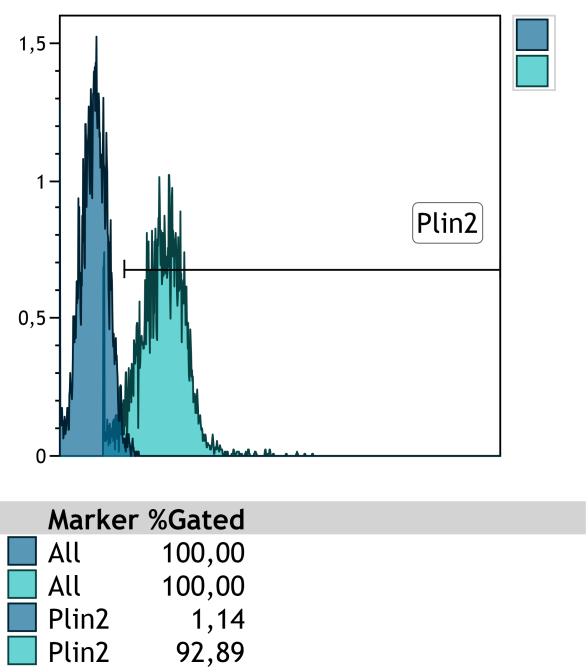
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**Table 1.** Statistical data of Plin2-clinical parameters linear regression in monocytes

|  |  |  |  |
| --- | --- | --- | --- |
| Subjects | R2 | P value | |
| HOMA-IR |  | |  |
| Before Sleeve Gastrectomy | 0.55 | | 0.002 |
| After Sleeve Gastrectomy | 0.71 | | <0.0001 |
| Controls | 0.79 | | 0.003 |
|  |  | |  |
| LDL-Cholesterol |  | |  |
| Before Sleeve Gastrectomy | 0.42 | | 0.008 |
| After Sleeve Gastrectomy | 0.38 | | 0.01 |
| Controls | 0.69 | | 0.01 |
|  |  | |  |
| AST |  | |  |
| Before Sleeve Gastrectomy | 0.40 | | 0.02 |
| After Sleeve Gastrectomy | 0.45 | | 0.005 |
| Controls | 0.87 | | 0.0002 |
|  |  | |  |
| ALT |  | |  |
| Before Sleeve Gastrectomy | 0.47 | | 0.004 |
| After Sleeve Gastrectomy | 0.33 | | 0.02 |
| Controls | 0.59 | | 0.01 |
|  |  | |  |



NT

NT

+ pmaxGFP Vector

+ Plin2-GFP Vector

A

B

C

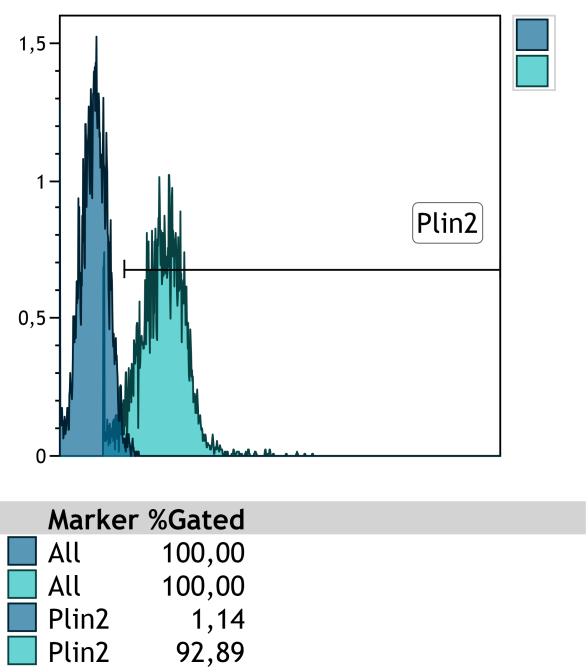
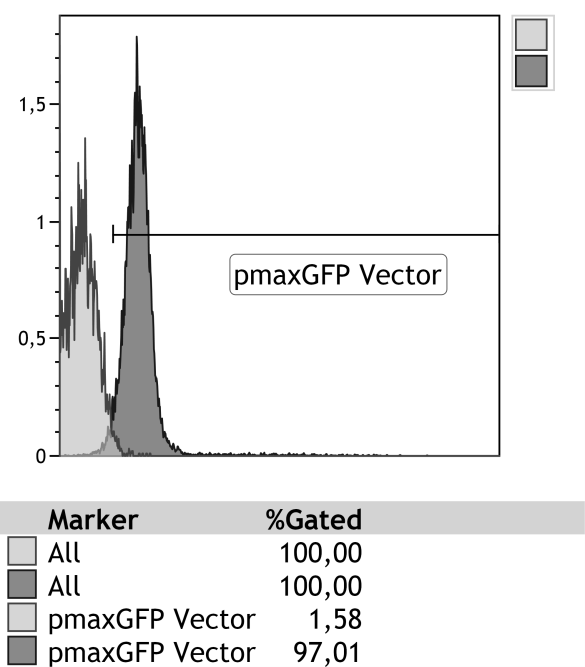
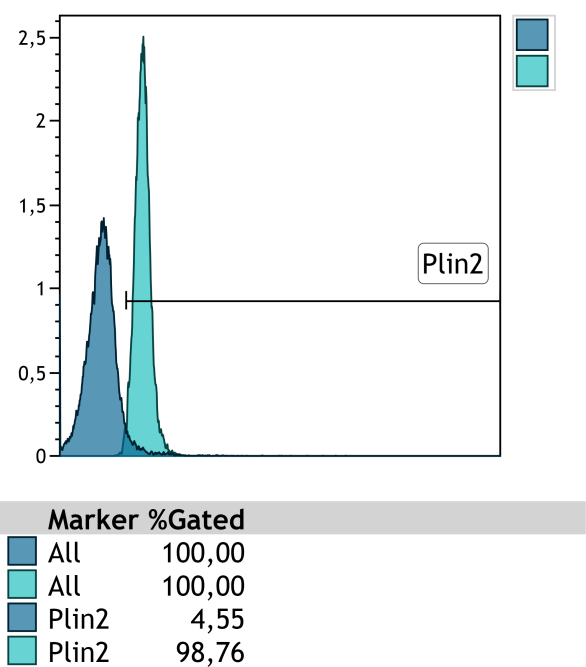
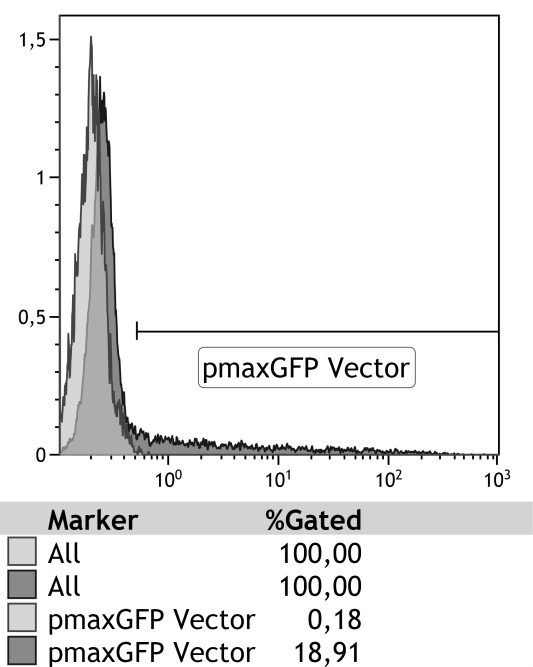
D

**Primary Cultures**

**of monocytes**

**Primary cultures**

**of hepatocytes**

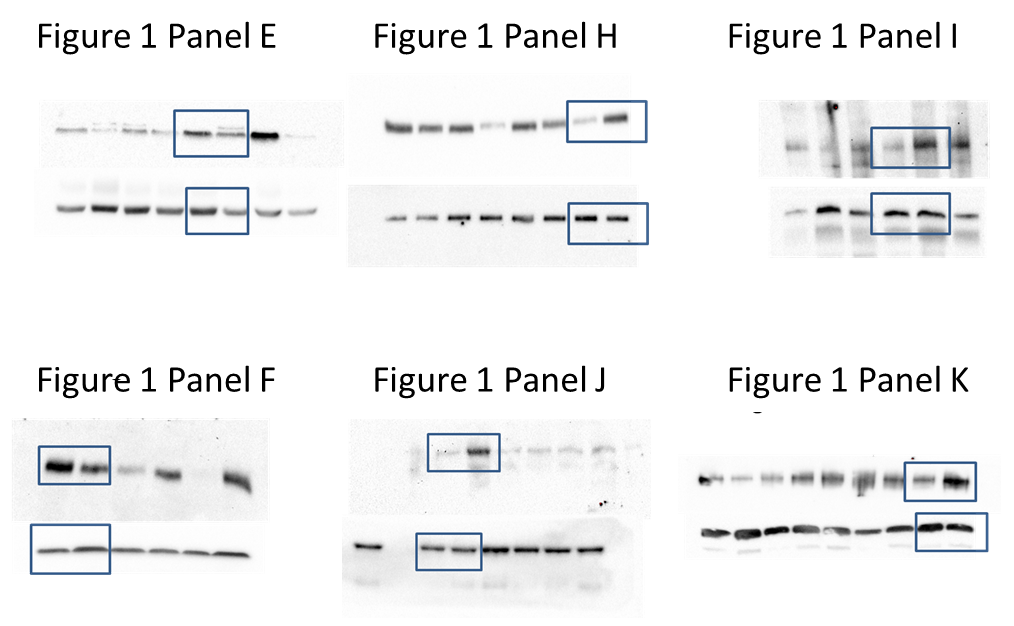


**Supplementary Figure 1. Cell transfection**

**Panels A and C:** Cell transfection efficiency quantified with pmaxGFP vector.

**Panel B and D:** Plin2 quantification by flow cytometry after transfection.

**Uncropped Gels**



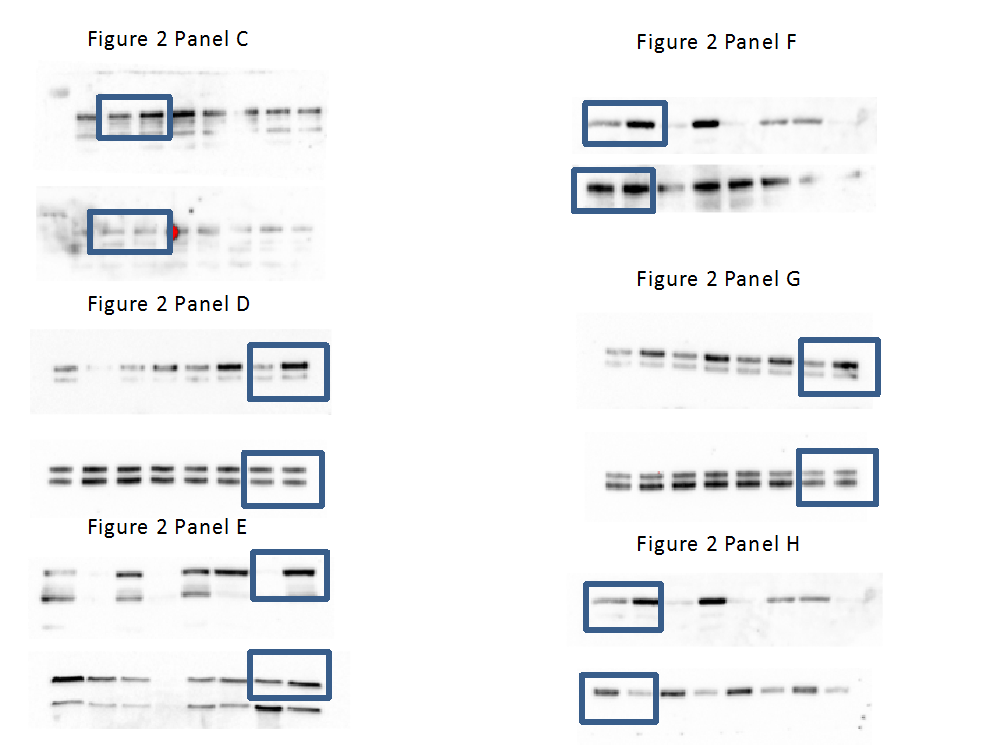


Figure 2 Panel C

Figure 2 Panel F

Figure 2 Panel D

Figure 2 Panel G

Figure 2 Panel E

Figure 2 Panel H

