**Supplementary Materials**

**Platelet-derived factors deregulate placental sphingosine-1-phosphate receptor 2 in human trophoblast cells**

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**Supplemental Table 1**

*qPCR Primer Sequences*

|  |  |  |
| --- | --- | --- |
| **Gene** | **forward** | **reverse** |
| *GAPDH* | ACCCACTCCTCCACCTTTGA | CTGTTGCTGTAGCCAAATTCG |
| *TBP* | TGACCCAGCATCACTGTTTC | CCAGCACACTCTTCTCAGCA |
| *S1PR1* | CCTCCGTGTTCAGTCTCCTC | AGTTATTGCTCCCGTTGTGG |
| *S1PR2* | CGGCCTAGCCAGTTCTGA AA | AATGGCGCAACAGAGGATGA |
| *S1PR3* | CAGCCCCGCTTCCCTTTG | CATCACTTGGCATTCACAGACG |

**Supplemental Table 2**

*Antibodies used for Immunohistochemistry (IHC), Immunofluorescence staining (IF) and Immunoblotting (IB)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Protein | Host Species | Company | AG retrieval | Dilution IHC | Dilution IF | Dilution IB |
| S1PR1 | Rabbit | abcam | pH 6 | 1:1000 | 1:500 | 1:1000 |
| S1PR2 | Rabbit | Invitrogen | pH 9 | 1:200 | 1:100 | 1:400 |
| S1PR3 | Rabbit | abcam | pH 9 | 1:200 | 1:100 | 1:1000 |
| HLA-G | Mouse | BD Pharmingen | pH 9 | - | 1:1000 | - |
| CD68 | Mouse | Thermo Scientific | pH 9 | - | 1:100 | - |
| CD42b | Rabbit | Proteintech Europa | pH 9 | 1:1000 | 1:500 | - |
| IgG  | Rabbit | Cell Signaling | pH6/pH9 | 1:200 | 1:200 | - |
| IgG1 | Mouse | Dako | pH9 |  | 1:1000 |  |
| β-actin | Mouse | abcam | - | - | - | 1:500.000 |
| DAPI | - | Invitrogen | - | - | 1:2000 | - |
| Alexa Fluor 488 | Goat anti mouse | Invitrogen | - | - | 1:200 | - |
| Alexa Fluor 555 | Goat anti rabbit | Invitrogen | - | - | 1:200 | - |

**Supplemental Figure 1**

*S1P receptor expression in isolated human platelets*

qPCR for *S1PR1*, *S1PR2* and *S1PR3* in human platelets (n=3). Data shown as mean ∆∆Cq ± SD, *GAPDH/TBP* was used as reference gene.