

For Research Use Only

HERV-FRD Polyclonal antibody

Catalog Number:18101-1-AP



Basic Information

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| Catalog Number: 18101-1-AP | GenBank Accession Number: BC068585 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 830 ug/ml by Nanodrop; | GeneID (NCBI): 405754 | Recommended Dilutions: WB: 1:500-1:3000 |
| Source: Rabbit | UNIPROT ID: P60508 | |
| Isotype: IgG | Full Name: HERV-FRD provirus ancestral Env polyprotein | |
| Immunogen Catalog Number: AG12380 | Calculated MW: 538 aa, 60 kDa | |
| | Observed MW: 60 kDa | |

Applications

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| Tested Applications: WB, ELISA | Positive Controls: WB : HepG2 cells, L02 cells |
| Species Specificity: human | |

Background Information

HERV-FRD (Human Endogenous Retrovirus FRD Envelope Protein) belongs to the W family of the HERV family. Also known as Syncytin-2, this protein is a key member of the syncytin family and is encoded by an env gene from an ancient retrovirus integrated into the host genome. It primarily mediates cell-cell fusion, which is essential for forming the placental syncytiotrophoblast and maintaining normal pregnancy. Furthermore, HERV-FRD exhibits immunosuppressive functions: its transmembrane subunit contains an immunosuppressive domain that inhibits maternal immune rejection of the fetus and protects the placenta from immune attack. Abnormal expression of HERV-FRD is associated with pregnancy-related disorders such as preeclampsia and intrauterine growth restriction, as well as with the development and progression of certain cancers.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

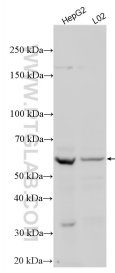
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18101-1-AP (HERV-FRD antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.