**HERV-FRD Antibody (N-term)**

**Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)**

Catalog # AP13018A

### Specification

**HERV-FRD Antibody (N-term) - Product Information**

<table>
<thead>
<tr>
<th>Application</th>
<th>WB,E</th>
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<tbody>
<tr>
<td>Primary Accession</td>
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<td>Other Accession</td>
<td>P61556, NP_997465.1</td>
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<td>Reactivity</td>
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<td>Predicted</td>
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<td>Host</td>
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<td>Clonality</td>
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<td>Isotype</td>
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<td>Clone Names</td>
<td>RB32774</td>
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<tr>
<td>Antigen Region</td>
<td>79-107</td>
</tr>
</tbody>
</table>

**HERV-FRD Antibody (N-term) - Additional Information**

**Gene ID** 405754

**Other Names**
Syncytin-2, Endogenous retrovirus group FRD member 1,Envelope polyprotein,HERV-FRD, HERV-FRD_6p241 provirus ancestral Env polyprotein, Surface protein, SU, Transmembrane protein, TM, ERVFRD-1, ERVFRED1

**Target/Specificity**
This HERV-FRD antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-107 amino acids from the N-terminal region of human HERV-FRD.

**Dilution**
WB—1:1000

**Format**
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**
HERV-FRD Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**HERV-FRD Antibody (N-term) - Background**

Human endogenous retroviruses (HERVs) make up approximately 8% of the human genome. Although most HERVs are nonfunctional, the HERV-W (ERVWE1; MIM 604659) and HERV-FRD envelope (env) proteins can induce cell-cell fusion when expressed in cells possessing appropriate receptors (Blaise et al., 2003 [PubMed 14557543]).

**HERV-FRD Antibody (N-term) - References**

Name ERVFRD-1

Synonyms ERVFRDE1

Function
This endogenous retroviral envelope protein has retained its original fusogenic properties and participates in trophoblast fusion and the formation of a syncytium during placenta morphogenesis. The interaction with MFSD2A is apparently important for this process (PubMed:<a href="http://www.uniprot.org/citations/18988732" target="_blank">18988732</a>).

Cellular Location
Virion. Transmembrane protein: Cell membrane; Single-pass membrane protein

Tissue Location
Expressed at higher level in placenta.
Expressed at lower level in adrenal, bone marrow, brain, breast, colon, kidney, lung, ovary, peripheral blood lymphocytes, prostate, skin, spleen, testis, thymus, thyroid, trachea

HERV-FRD Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture

HERV-FRD Antibody (N-term) - Citations

- PLAC1 is involved in human trophoblast syncytialization.
- Effects of individually silenced N-glycosylation sites and non-synonymous single-nucleotide polymorphisms on the fusogenic function of human syncytin-2.
- Involvement of nephrin in human placental trophoblast syncytialization.