

**ERVK-7 Antibody (C-Term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP22000b**

**Specification**

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**ERVK-7 Antibody (C-Term) - Product Information**

Application	WB,E
Primary Accession	<a href="#">P61567</a>
Other Accession	<a href="#">Q902F9</a> , <a href="#">Q42043</a> , <a href="#">Q71037</a> , <a href="#">P61565</a> , <a href="#">P61566</a> , <a href="#">Q69384</a> , <a href="#">Q902F8</a> , <a href="#">Q9UKH3</a> , <a href="#">P63135</a>
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	66649
Antigen Region	457-491

**ERVK-7 Antibody (C-Term) - Additional Information**

**Other Names**

Endogenous retrovirus group K member 7 Env polyprotein, Envelope polyprotein, HERV-K(III) envelope protein, HERV-K102 envelope protein, HERV-K\_1q22 provirus ancestral Env polyprotein, Surface protein, SU, Transmembrane protein, TM, ERVK-7

**Target/Specificity**

This ERVK-7 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 457-491 amino acids from human ERVK-7.

**Dilution**

WB~~1:2000

**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**

ERVK-7 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

**ERVK-7 Antibody (C-Term) - Protein Information**

**Name** ERVK-7

**Function** Retroviral envelope proteins mediate receptor recognition and membrane fusion during early infection. Endogenous envelope proteins may have kept, lost or modified their original function during evolution. TM anchors the envelope heterodimer to the viral membrane through one transmembrane domain. The other hydrophobic domain, called fusion peptide, mediates fusion of the viral membrane with the target cell membrane (By similarity).

**Cellular Location**

Virion.

**Tissue Location**

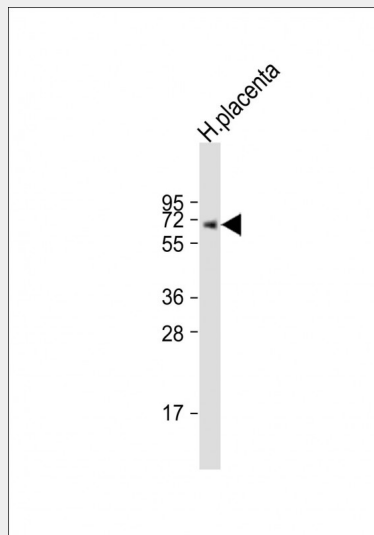
Expressed in lung, placenta, testis and peripheral blood lymphocytes.

**ERVK-7 Antibody (C-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](#)

**ERVK-7 Antibody (C-Term) - Images**



Anti-ERVK-7 Antibody (C-Term) at 1:2000 dilution + human placenta lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 67 kDa Blocking/Dilution buffer: 5% NFDN/TBST.

**ERVK-7 Antibody (C-Term) - Background**

Retroviral envelope proteins mediate receptor recognition and membrane fusion during early infection. Endogenous envelope proteins may have kept, lost or modified their original function during evolution. TM anchors the envelope heterodimer to the viral membrane through one transmembrane domain. The other hydrophobic domain, called fusion peptide, mediates fusion of

the viral membrane with the target cell membrane (By similarity).

#### **ERVK-7 Antibody (C-Term) - References**

- Barbulescu M., et al. *Curr. Biol.* 9:861-868(1999).  
Sugimoto J., et al. *Genomics* 72:137-144(2001).  
Wang-Johanning F., et al. *Oncogene* 22:1528-1535(2003).