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ERVK-21 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP22081c

Product Information

Application	WB, E
Primary Accession	P61565
Other Accession	Q902F9, O42043, O71037, P61566, P61570, Q9HDB8, Q69384, P61567, Q902F8, Q9UKH3, P63135
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB55404
Calculated MW	79236

Additional Information

Other Names	Endogenous retrovirus group K member 21 Env polyprotein, EnvK1 protein, Envelope polyprotein, HERV-K_12q14.1 provirus ancestral Env polyprotein, Surface protein, SU, Transmembrane protein, TM, ERVK-21
Target/Specificity	This ERVK-21 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 271-302 amino acids from the Central region of human ERVK-21.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
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-21 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ERVK-21
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. This endogenous

envelope protein has lost its original fusogenic properties.

Cellular Location [Transmembrane protein]: Cell membrane; Single-pass type I membrane protein [Endogenous retrovirus group K member 21 Env polyprotein]: Virion

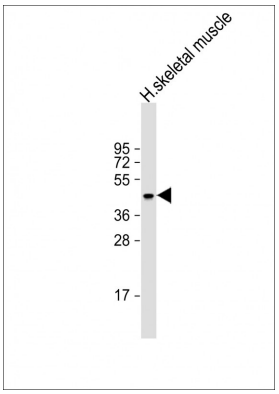
Background

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. This endogenous envelope protein has lost its original fusogenic properties.

References

Scherer S.E.,et al.Nature 440:346-351(2006).
de Parseval N.,et al.J. Virol. 77:10414-10422(2003).
Blaise S.,et al.Proc. Natl. Acad. Sci. U.S.A. 100:13013-13018(2003).
Wang-Johanning F.,et al.Oncogene 22:1528-1535(2003).

Images



Anti-ERVK-21 Antibody (Center) at 1:2000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 79 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.