Rabbit anti-Human HERV (ERVWE1) Polyclonal Antibody | anti-ERVW-1 antibody

HERV (ERVWE1) Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287799	**Rabbit**	**Human**	**Immunohistochemistry, ELISA, Western Blot**

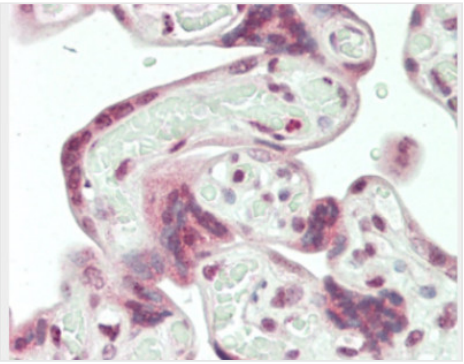
PRODUCT SYNONYMS

HERV (ERVWE1); Polyclonal Antibody; HERV (ERVWE1) Antibody (Center); Syncytin-1; Endogenous retrovirus group W member 1; Env-W; Envelope polyprotein gPr73; Enverin; HERV-7q Envelope protein; HERV-W envelope protein; HERV-W_7q212 provirus ancestral Env polyprotein; Syncytin; Surface protein; SU; gp50; Transmembrane protein; TM; gp24; ERVW-1; ERVWE1; anti-ERVW-1 antibody

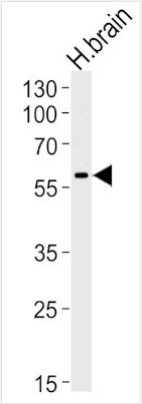
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This HERV (ERVWE1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 400-429 amino acids from the Central region of human HERV (ERVWE1).
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Sequence Positions	400-429
Sequence Length	538
Applicable Applications for anti-ERVW-1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
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. May induce fusion through binding of SLC1A4 and SLC1A5 (PubMed:10708449, PubMed:12050356, PubMed:23492904).
Cellular Location	[Surface protein]: Cell membrane; Peripheral membrane protein. Note=The surface protein is not anchored to the membrane, but localizes to the extracellular surface through its binding to TM. [Syncytin-1]: Virion.
Tissue Location	Expressed at higher level in placental syncytiotrophoblast. Expressed at intermediate level in testis. Seems also to be found at low level in adrenal tissue, bone marrow, breast, colon, kidney, ovary, prostate, skin, spleen, thymus, thyroid, brain and trachea. Both mRNA and protein levels are significantly increased in the brain of individuals with multiple sclerosis, particularly in astrocytes and microglia.
Preparation and 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.

IMAGES



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded H.placenta tissue reacted with HERV (ERVWE1) Antibody (Center) (Cat# AAA287799).



WB (Western Blot)
Western blot analysis of lysate from human brain tissue lysate, using Syncytin(ERVWE1) Antibody. AAA287799 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

ADDITIONAL INFORMATION

Related Product Information for anti-ERVW-1 antibody	Background: Many different human endogenous retrovirus (HERV) families are expressed in normal placental tissue at high levels, suggesting that HERVs are functionally important in reproduction. The protein, also known as syncytin, is expressed in the placental syncytiotrophoblast and is involved in fusion of the cytotrophoblast cells to form the syncytial layer of the placenta. This protein has the characteristics of a typical retroviral envelope protein, including a furin cleavage site that separates the surface (SU) and transmembrane (TM) proteins which form a heterodimer.
Product Categories/Family for anti-ERVW-1 antibody	Cell Biology; Developmental Biology; Neuroscience
References	Oluwole,S.O., Amyotroph Lateral Scler 8 (2), 67-72 (2007) Gong,R., Cell. Physiol. Biochem. 20 (5), 517-526 (2007) Antony,J.M., AIDS Res. Hum. Retroviruses 22 (12), 1253-1259 (2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	195963433
NCBI GeneID	30816
NCBI Accession #	NP_001124397.1; NP_055405.3
NCBI GenBank Nucleotide #	NM_001130925.1
UniProt Accession #	Q9UQF0; O95244; O95245; Q8NHY7; Q9NRZ2; Q9NZG3; B2RPD4
NCBI Official Full Name	syncytin-1
NCBI Official Synonym Full Names	endogenous retrovirus group W, member 1
NCBI Official Symbol	ERVW-1
NCBI Official Synonym Symbols	ENV; ENVW; HERVW; ERVWE1; HERV7Q; HERV-7q; HERVWENV; HERV-W-ENV
NCBI Protein Information	syncytin-1
UniProt Protein Name	Syncytin-1
UniProt Gene Name	**ERVW-1**
UniProt Synonym Gene Names	ERVWE1; SU; TM
UniProt Entry Name	SYCY1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/herv-ervwe1-antibody-immunohistochemistry-western-blot-elisa/287799