

ERVW-1 Polyclonal Antibody | anti-ERVW-1 antibody

Anti-ERVW-1 Antibody

CATALOG # AAA46305	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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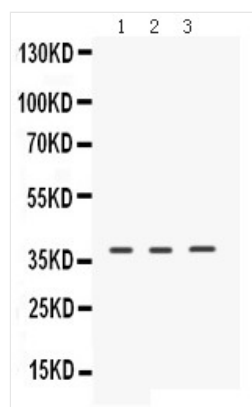
PRODUCT SYNONYMS

ERVW-1; Polyclonal Antibody; Anti-ERVW-1 Antibody; Syncytin-1; Endogenous retrovirus group W member 1; ENV; Envelope polyprotein gPr73; Enverin; ENVW; ERVWE1; HERV-7q; HERV-7q Envelope protein; HERV-W envelope protein; HERV-W-ENV; HERV-W_7q21.2 provirus ancestral Env polyprotein; HERV7Q; HERVW; HERVWENV; Syncytin 1; Syncytin; Syncytin1; endogenous retrovirus group W; member 1; anti-ERVW-1 antibody

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	No cross reactivity with other proteins
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	538
Applicable Applications for anti-ERVW-1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human ERVW-1 (406-435aa YYVNQSGIVTEKVKEIRDRIQRRAEELRNT).
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti- ERVW-1 Picoband antibody, AAA46305, Western blottingAll lanes: Anti ERVW-1 (AAA46305) at 0.5ug/mlLane 1: Mouse Testis Tissue Lysate at 50ugLane 2: COLO320 Whole Cell Lysate at 40ugLane 3: 22RV1 Whole Cell Lysate at 40ugPredicted bind size: 60KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-ERVW-1 antibody	Description: Rabbit IgG polyclonal antibody for Syncytin-1(ERVW-1) detection. Tested with WB in Human;Mouse;Rat. Background: ERVW-1 is also known as ERVWE1. The human ERVWE1 locus is derived from a human endogenous retrovirus-W (HERV-W) provirus located on chromosome 7. This provirus has inactivating mutations in the gag and pol genes, but the envelope glycoprotein gene has been selectively preserved. The product of this gene, syncytin, is expressed in the placental syncytiotrophoblast and is involved in fusion of the cytotrophoblast cells to form the syncytial layer of the placenta. The 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.
References	1. "Entrez Gene: ERVWE1 endogenous retroviral family W, env(C7), member 1 (syncytin)". 2. Li F, Nellåker C, Sabunciyan S, Yolken RH, Jones-Brando L, Johansson AS, Owe-Larsson B, Karlsson H. "Transcriptional derepression of the ERVWE1 locus following influenza A virus infection." J Virol, 2014 Apr.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195963433
NCBI GeneID	30816
NCBI Accession #	NP_001124397.1
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.