

Datasheet for ABIN3042376
anti-ERV3 antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ERV3 (ERV3-1)
Binding Specificity:	AA 575-604, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERV3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Endogenous retrovirus group 3 member 1 Env polyprotein(ERV3-1) detection. Tested with WB in Human.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human ERV31 (575-604aa LELDDEGKVIKEITAKIQKLAHIPVQTWKG).
Sequence:	LELDDEGKVI KEITAKIQKL AHIPVQTWKG
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	<p>Rabbit IgG polyclonal antibody for Endogenous retrovirus group 3 member 1 Env polyprotein(ERV3-1) detection. Tested with WB in Human.</p> <p>Gene Name: endogenous retrovirus group 3, member 1</p> <p>Protein Name: Endogenous retrovirus group 3 member 1 Env polyprotein</p>

Product Details

Purification: Immunogen affinity purified.

Target Details

Target: ERV3 (ERV3-1)

Alternative Name: ERV3-1 ([ERV3-1 Products](#))

Background: HERV-R_7q21.2 provirus ancestral Env polyprotein, also known as ERV3-1, is a protein that in humans is encoded by the ERV3 gene. By radiation hybrid analysis, the ERV3 gene is mapped to chromosome 7q11.2. The human genome includes many retroelements including the human endogenous retroviruses (HERVs). ERV3, one of the most studied HERVs, is thought to have integrated 30 to 40 million years ago and is present in higher primates with the exception of gorillas. Taken together, the observation of genome conservation, the detection of transcript expression, and the presence of conserved ORFs is circumstantial evidence for a functional role. A functional role is also suggested by the observation that downregulation of ERV3 is reported in choriocarcinoma.

Synonyms: Endogenous retroviral sequence 3 antibody|Endogenous retrovirus group 3 member 1 antibody|ENR1_HUMAN antibody|Envelope polyprotein antibody|envR antibody|ERV R antibody|ERV-3 envelope protein antibody|ERV-R envelope protein antibody|ERV3 1 envelope protein antibody|ERV3 antibody|ERV3 envelope protein antibody|ERV3-1 antibody|ERVR antibody|FLJ23884 antibody|HERV R antibody|HERV-R envelope protein antibody|HERV-R_7q21.2 provirus ancestral Env polyprotein antibody|HERVR antibody|SU antibody|TM antibody|Transmembrane protein antibody

Gene ID: 2086

UniProt: [Q14264](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human
Notes: Tested Species: Species with positive results.
Other applications have not been tested. Optimal dilutions should be determined by end users.

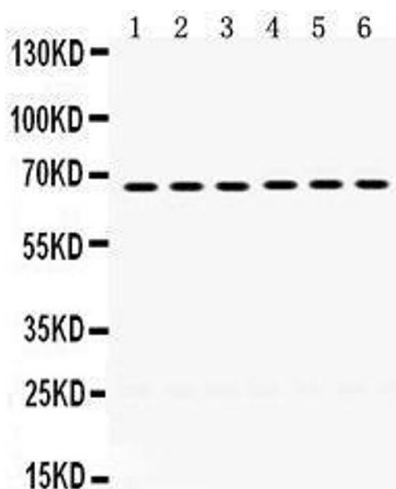
Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

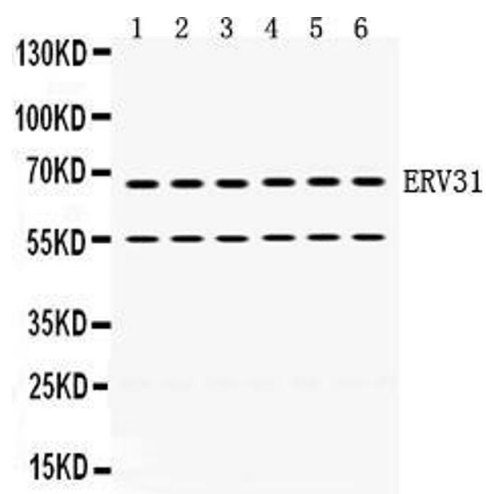
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1.



Western Blotting

Image 2. Anti- ERV31 antibody, Western blotting All lanes: Anti ERV31 at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: 22RV1 Whole Cell Lysate at 40ug Lane 3: HEPG2 Whole Cell Lysate at 40ug Lane 4: SKOV Whole Cell Lysate at 40ug Lane 5: A431 Whole Cell Lysate at 40ug Lane 6: HT1080 Whole Cell Lysate at 40ug Predicted bind size: 68KD Observed bind size: 68KD