



Datasheet for ABIN682318

anti-Syncytin A (SYNA) (AA 451-538) antibody



[Go to Product page](#)

3 Images

1 Publication

Overview

Quantity:	100 µL
Target:	Syncytin A (SYNA)
Binding Specificity:	AA 451-538
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Un-conjugated
Application:	ELISA, Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Syncytin 1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	Syncytin A (SYNA)
Alternative Name:	Syncytin 1 (SYNA Products)
Background:	Synonyms: ENV, ENVW, HERVW, ERVWE1, HERV7Q, HERV-7q, HERVWENV, HERV-W-ENV, Syncytin-1, Endogenous retrovirus group W member 1, Env-W, Envelope polyprotein gPr73,

Target Details

Enverin, HERV-7q Envelope protein, HERV-W envelope protein, HERV-W_7q21.2 provirus ancestral Env polyprotein, Syncytin, ERVW-1

Background: 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). Endogenous envelope proteins may have kept, lost or modified their original function during evolution. Retroviral envelope proteins mediate receptor recognition and membrane fusion during early infection. The surface protein (SU) mediates receptor recognition, while the transmembrane protein (TM) acts as a class I viral fusion protein. The protein may have at least 3 conformational states: pre-fusion native state, pre-hairpin intermediate state, and post-fusion hairpin state. During viral and target cell membrane fusion, the coiled coil regions (heptad repeats) assume a trimer-of-hairpins structure, positioning the fusion peptide in close proximity to the C-terminal region of the ectodomain. The formation of this structure appears to drive apposition and subsequent fusion of membranes.

Gene ID: 30816

UniProt: [Q9UQF0](#)

Application Details

Application Notes: WB 1:300-5000
ELISA 1:500-1000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

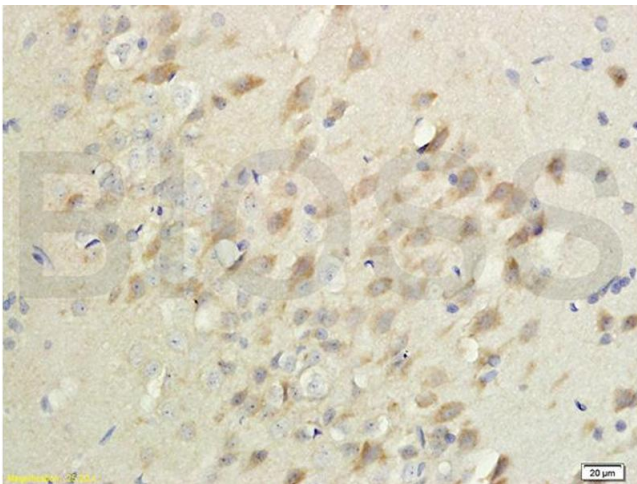
Handling

Expiry Date: 12 months

Publications

Product cited in: Díaz-Carballo, Acikelli, Klein, Jastrow, Dammann, Wyganowski, Guemues, Gustmann, Bardenheuer, Malak, Tefett, Khosrawipour, Giger-Pabst, Tannapfel, Strumberg: "Therapeutic potential of antiviral drugs targeting chemorefractory colorectal adenocarcinoma cells overexpressing endogenous retroviral elements." in: **Journal of experimental & clinical cancer research : CR**, Vol. 34, pp. 81, (2015) ([PubMed](#)).

Images



Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded rat brain labeled with Anti-Syncytin 1/HERV Polyclonal Antibody, Unconjugated (ABIN682318) followed by conjugation to the secondary antibody and DAB staining

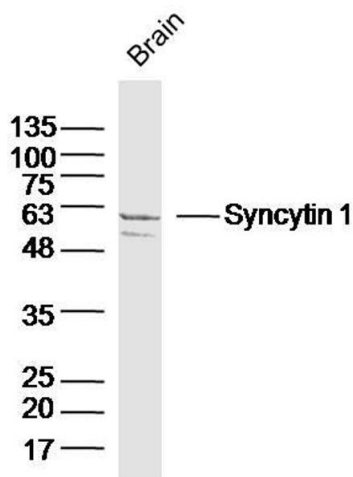


Image 2. Mouse Brain lysates probed with Syncytin 1 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.

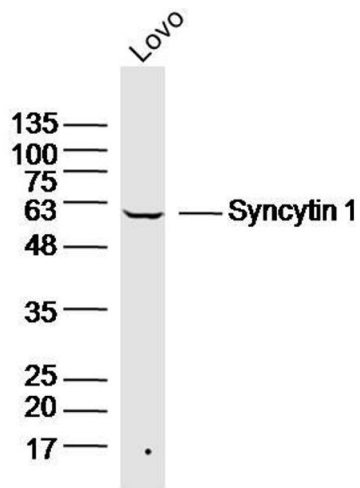


Image 3. LOVO lysates probed with Syncytin 1 Polyclonal Antibody, Unconjugated at 1:300 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at 1:10000 for 60 min at 37°C.