

Datasheet for ABIN2788421
anti-SH2D1A antibody (C-Term)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	SH2D1A
Binding Specificity:	C-Term
Reactivity:	Human, Rat, Pig, Cow, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH2D1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C terminal region of human SH2D1A
Sequence:	YFRKIKNLIS AFQKPDQGIV IPLQYPVEKK SSARSTQGTT GIREDPDVCL
Predicted Reactivity:	Cow: 86%, Horse: 92%, Human: 100%, Pig: 100%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against SH2D1A. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	SH2D1A
Alternative Name:	SH2D1A (SH2D1A Products)

Target Details

Background:	<p>SH2D1A is a protein that plays a major role in the bidirectional stimulation of T and B cells. It associates with the signaling lymphocyte-activation molecule, thereby acting as an inhibitor of this transmembrane protein by blocking the recruitment of the SH2-domain-containing signal-transduction molecule SHP-2 to its docking site. This protein can also bind to other related surface molecules that are expressed on activated T, B and NK cells, thereby modifying signal transduction pathways in these cells. Mutations in SH2D1A gene cause lymphoproliferative syndrome X-linked type 1 or Duncan disease, a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus, with symptoms including severe mononucleosis and malignant lymphoma.</p> <p>Alias Symbols: DSHP, EBVS, FLJ18687, FLJ92177, IMD5, LYP, MTCP1, SAP, XLP, XLPD, SAP/SH2D1A</p> <p>Protein Interaction Partner: LHX4, TNK2, UBC, LYN, MAPK11, MAPK1, ERBB3, EGFR, MAPK14, CD244, ELAVL1, SLAMF7, SLAMF6, ARHGEF7, CD84, SLAMF1, DOK1, FYB, LY9, ARHGEF6, LCK, FYN, GRB2,</p> <p>Protein Size: 128</p>
Molecular Weight:	14 kDa
Gene ID:	4068
NCBI Accession:	NM_002351 , NP_002342
UniProt:	O60880
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 128 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

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 freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-SH2D1A Antibody Titration:

0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Jurkat cell lysate

Western Blotting

Image 2. WB Suggested Anti-SH2D1A

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: Jurkat cell lysate

SH2D1A is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells