

Rabbit SH2D1B Polyclonal Antibody | anti-SH2D1B antibody

SH2D1B Antibody

CATALOG # AAA323142	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

SH2D1B; Polyclonal Antibody; SH2D1B Antibody; EAT 2; EAT2; EWS/FLI1 activated transcript 2; SH2 domain containing 1B; SH2 domain containing molecule EAT2; SH2 domain containing protein 1B; anti-SH2D1B antibody

PRODUCT SPECIFICATIONS

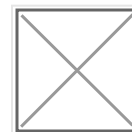
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SH2D1B antibody detects endogenous levels of SH2D1B.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	132
Applicable Applications for anti-SH2D1B antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SH2D1B.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA323142 at 1/100 staining Human lymph cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of extracts of Jurkat cells, using SH2D1B antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-SH2D1B antibody	<p>Function: Cytoplasmic adapter regulating receptors of the signaling lymphocytic activation molecule (SLAM) family such as CD84, SLAMF1, LY9 and CD244 (PubMed:11689425). In SLAM signaling seems to cooperate with SH2D1A/SAP. Plays a role in regulation of effector functions of natural killer (NK) cells by controlling signal transduction through CD244/2B4 without effecting its tyrosine phosphorylation; downstream signaling involves PLCG1 and ERK activation (PubMed:24687958). Activation of SLAMF7-mediated NK cell function does not effect receptor tyrosine phosphorylation but distal signaling (By similarity). In the context of NK cell-mediated cytotoxicity does not enhance conjugate formation with target cells but stimulates polarization of the microtubule-organizing center and cytotoxic granules toward the NK cell synapse (PubMed:24687958). Negatively regulates CD40-induced cytokine production in dendritic cells downstream of SLAM family receptors probably by inducing activation of the PI3K pathway to inhibit p38 MAPK and JNK activation (By similarity).</p> <p>Subunit Structure: Binds to the phosphorylated receptors CD84, SLAMF1, LY9 and CD244. Does not bind to non-phosphorylated SLAMF1 (PubMed:11689425). Interacts with SLAMF7 (via ITSM phosphorylated on 'Tyr-304'). Interacts with Src kinases HCK, LYN, FYN, FGR and LCK (via kinase domains) (By similarity). Interacts (phosphorylated at Tyr-127) with PLCG1.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	54792745
NCBI GeneID	117157
NCBI Accession #	NP_444512.2
NCBI GenBank Nucleotide #	NM_053282.4
UniProt Accession #	O14796; Q5T0L1; Q8NI18; Q969K9; B2RBN6
Molecular Weight	Observed: 15 kDa Predicted: 16 kDa
NCBI Official Full Name	SH2 domain-containing protein 1B
NCBI Official Synonym Full Names	SH2 domain containing 1B
NCBI Official Symbol	SH2D1B
NCBI Official Synonym Symbols	EAT2
NCBI Protein Information	SH2 domain-containing protein 1B
UniProt Protein Name	SH2 domain-containing protein 1B
UniProt Gene Name	SH2D1B
UniProt Synonym Gene Names	EAT2; EAT-2

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.