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## Datasheet for ABIN7119007 anti-SH2D1B antibody



Overview	
Quantity:	100 µg
Target:	SH2D1B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH2D1B antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	SH2 domain containing 1B
Isotype:	lgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE
Target Details	
Target:	SH2D1B
Alternative Name:	SH2D1B (SH2D1B Products)

Background:	Synonyms:EAT2 Background: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

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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 procuction dendritic cells downstream of SLAM family
receptors probably by inducing activation of the PI3K pathway to inhibit p38 MAPK and JNK
activation(By similarity).

Molecular Weight:	15 kDa
Gene ID:	117157
UniProt:	014796
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process

## Application Details

Application Notes:	WB: 1:500-1:2000, IHC: 1:20-1:200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months

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