

## anti- SH2D1B antibody

### Product Information

Catalog No.:	FNab07820
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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

### Immunogen information

Immunogen:	SH2 domain containing 1B
Synonyms:	EAT2
Observed MW:	15 kDa
UniprotID :	O14796

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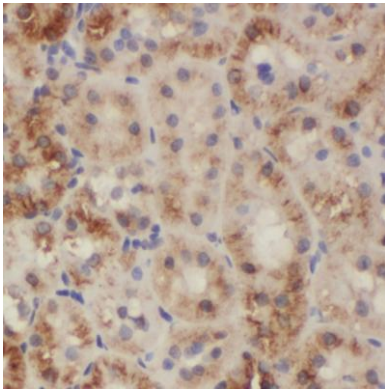
## Application

Reactivity: Human, Mouse, Rat

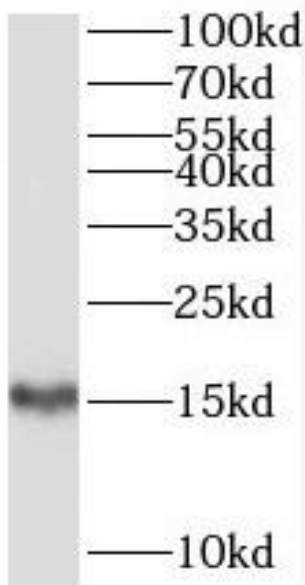
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human kidney tissue slide using FNab07820(SH2D1B Antibody) at dilution of 1:200



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab07820(SH2D1B antibody) at dilution of 1:800

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