

## Product datasheet for **TA385238S**

### SH2D1A Rabbit Monoclonal Antibody [Clone ID: R09-5F6]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R09-5F6
Applications:	WB
Recommended Dilution:	WB: 1/1000-1/2000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human SH2D1A/SAP
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 14 kDa; Observed MW: 14 kDa
Gene Name:	SH2 domain containing 1A
Database Link:	<a href="#">Entrez Gene 4068 Human O60880</a>



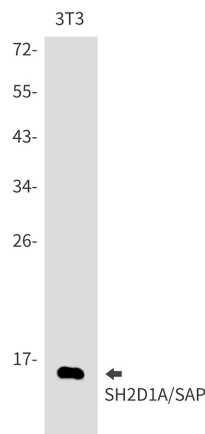
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**Background:**

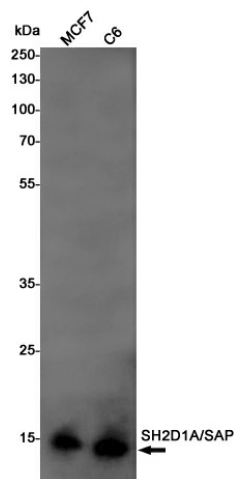
Swiss-Prot Acc.O60880.Cytoplasmic adapter regulating receptors of the signaling lymphocytic activation molecule (SLAM) family such as SLAMF1, CD244, LY9, CD84, SLAMF6 and SLAMF7. In SLAM signaling seems to cooperate with SH2D1B/EAT-2. Initially it has been proposed that association with SLAMF1 prevents SLAMF1 binding to inhibitory effectors including INPP5D/SHIP1 and PTPN11/SHP-2 (PubMed:11806999). However, by simultaneous interactions, recruits FYN which subsequently phosphorylates and activates SLAMF1 (PubMed:12458214). Positively regulates CD244/2B4- and CD84-mediated natural killer (NK) cell functions. Can also promote CD48-, SLAMF6 -, LY9-, and SLAMF7-mediated NK cell activation. In the context of NK cell-mediated cytotoxicity enhances conjugate formation with target cells . May also regulate the activity of the neurotrophin receptors NTRK1, NTRK2 and NTRK3.

**Synonyms:**

DSHP; EBVS; FLJ18687; FLJ92177; IMD5; LYP; MTCP1; SAP; XLP; XLPD

**Product images:**

Western blot analysis of SH2D1A/SAP in 3T3 lysates using SH2D1A antibody.



Western blot analysis of SH2D1A/SAP in MCF-7, C6 lysates using SH2D1A/SAP antibody.