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anti-SLAMF6 antibody (AA 248-331)

Images



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Quantity:	100 μg
Target:	SLAMF6
Binding Specificity:	AA 248-331
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SLAMF6 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human SLAM family member 6 protein (248-331AA)	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse	
Purification:	>95%, Protein G purified	

Target Details

Target:	SLAMF6
Alternative Name:	SLAMF6 (SLAMF6 Products)
Background:	Background: Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM)
	family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating

the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. Triggers cytolytic activity only in natural killer cells (NK) expressing high surface densities of natural cytotoxicity receptors (PubMed:11489943, PubMed:16920955). Positive signaling in NK cells implicates phosphorylation of VAV1. NK cell activation seems to depend on SH2D1B and not on SH2D1A (PubMed:16920955). In conjunction with SLAMF1 controls the transition between positive selection and the subsequent expansion and differentiation of the thymocytic natural killer T (NKT) cell lineage (By similarity). Promotes Tcell differentiation into a helper T-cell Th17 phenotype leading to increased IL-17 secretion, the costimulatory activity requires SH2D1A (PubMed:22184727, PubMed:16920955). Promotes recruitment of RORC to the IL-17 promoter (PubMed:22989874). In conjunction with SLAMF1 and CD84/SLAMF5 may be a negative regulator of the humoral immune response. In the absence of SH2D1A/SAP can transmit negative signals to CD4(+) T-cells and NKT cells. Negatively regulates germinal center formation by inhibiting T-cell:B-cell adhesion, the function probably implicates increased association with PTPN6/SHP-1 via ITSMs in absence of SH2D1A/SAP. However, reported to be involved in maintaining B-cell tolerance in germinal centers and in preventing autoimmunity (By similarity).

Aliases: Activating NK receptor antibody, CD352 antibody, KALI antibody, KALIb antibody, LY108 antibody, MGC104953 antibody, Natural killer T and B cell antigen antibody, NK T B antigen antibody, NK-, T-, and B-cell antigen antibody, NK-T-B-antigen antibody, NTB A antibody, NTB-A antibody, NTBA antibody, NTBA receptor antibody, SF2000 antibody, SLAF6_HUMAN antibody, SLAM family member 6 antibody, SLAM family member 6 precursor antibody, SLAM Family Receptor antibody, Slamf6 antibody

UniProt:

Q96DU3

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

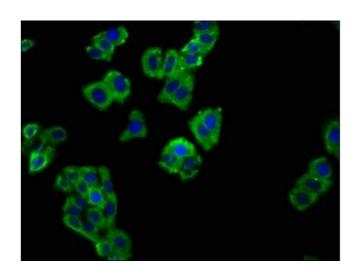
Buffer: Preservative: 0.03 % Proclin 300

Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Handling

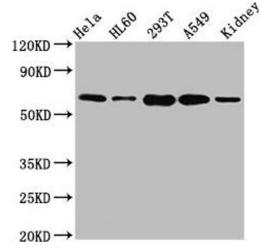
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



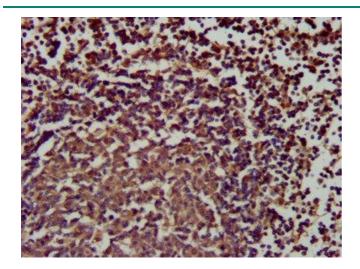
Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7169782 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: Hela whole cell lysate, HL60 whole cell lysate, 293T whole cell lysate, A549 whole cell lysate, Mouse kidney tissue All lanes: SLAMF6 antibody at $5.1\,\mu\text{g/mL}$ Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 38, 25 kDa Observed band size: 60 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7169782 diluted at 1:200 and staining in paraffin-embedded human lymph node tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.