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Datasheet for ABIN7169719 anti-SLAMF1 antibody (AA 69-204)

3 Images



Overview

| Quantity: | 100 µg |
|----------------------|---|
| Target: | SLAMF1 |
| Binding Specificity: | AA 69-204 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This SLAMF1 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF) |

Product Details

| Immunogen: | Recombinant Human Signaling lymphocytic activation molecule protein (69-204AA) |
|-------------------|--|
| Isotype: | lgG |
| Cross-Reactivity: | Human |
| Purification: | >95%, Protein G purified |

Target Details

| Target: | SLAMF1 |
|-------------------|--|
| Alternative Name: | SLAMF1 (SLAMF1 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 |

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN7169719 | 09/09/2023 | Copyright antibodies-online. All rights reserved. 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. SLAMF1-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAMF1 signaling seem to exist: one depending on SH2D1A (and perhaps SH2D1B) and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates. Initially it has been proposed that association with SH2D1A prevents binding to inhibitory effectors including INPP5D/SHIP1 and PTPN11/SHP-2 (PubMed:11806999). However, signaling is also regulated by SH2D1A which can simultaneously interact with and recruit FYN which subsequently phosphorylates and activates SLAMF1 (PubMed:12458214). Mediates IL-2-independent proliferation of activated Tcells during immune responses and induces IFN-gamma production (By similarity). Downstreaming signaling involves INPP5D, DOK1 and DOK2 leading to inhibited IFN-gamma production in T-cells, and PRKCQ, BCL10 and NFKB1 leading to increased T-cell activation and Th2 cytokine production (By similarity). Promotes T-cell receptor-induced IL-4 secretion by CD4(+) cells (By similarity). Inhibits antigen receptor-mediated production of IFN-gamma, but not IL-2, in CD4(-)/CD8(-) T-cells (By similarity). Required for IL-4 production by germinal centers T follicular helper (T(Fh))cells (By similarity). May inhibit CD40-induced signal transduction in monocyte-derived dendritic cells (PubMed:16317102). May play a role in a allergic responses and may regulate allergen-induced Th2 cytokine and Th1 cytokine secretion (By similarity). In conjunction with SLAMF6 controls the transition between positive selection and the subsequent expansion and differentiation of the thymocytic natural killer T (NKT) cell lineage. Involved in the peripheral differentiation of indifferent natural killer T (iNKT) cells toward a regulatory NKT2 type (By similarity). In macrophages involved in down-regulation of IL-12, TNFalpha and nitric oxide in response to lipopolysaccharide (LPS) (By similarity). In B-cells activates the ERK signaling pathway independently of SH2D1A but implicating both, SYK and INPP5D, and activates Akt signaling dependent on SYK and SH2D1A (By similarity). In B-cells also activates p38 MAPK and JNK1 and JNK2 (PubMed:20231852). In conjunction with CD84/SLAMF5 and SLAMF6 may be a negative regulator of the humoral immune response (By similarity).

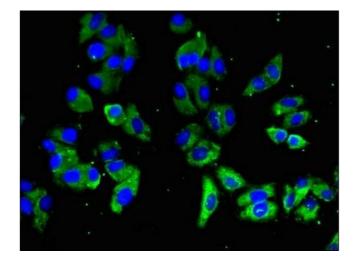
Aliases: 4933415F16 antibody, AA177906 antibody, CD 150 antibody, CD150 antibody, CD150 antibody, CD150 antibody, CD150 antibody, Estm51 antibody, Ipo 3 antibody, IPO-3 antibody, Ipo3 antibody, MGC151472 antibody, MGC151476 antibody, OTTHUMP00000025670 antibody, OTTHUMP00000060252 antibody, RGD1560634 antibody, Signaling lymphocytic activation molecule family member 1 antibody, Signaling lymphocytic activation molecule family member 1, isoform CRA_a antibody, Signaling

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| Target Details | |
|---------------------|--|
| | lymphocytic activation molecule family member 1, isoform CRA_b antibody, Signaling lymphocytic activation molecule precursor antibody, Slaf1 antibody, SLAF1_HUMAN antibody, SLAM family, member 1 antibody, Slamf 1 antibody, SLAMF1 antibody, SLAMF1 protein antibody |
| UniProt: | Q13291 |
| Application Details | |
| Application Notes: | Recommended dilution: WB:1:200-1:5000, IHC:1:20-1:200, 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 |
| 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

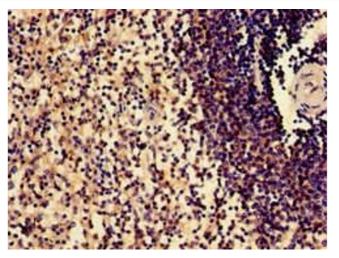
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Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7169719 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

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$120KD \rightarrow 90KD \rightarrow 50KD \rightarrow 25KD \rightarrow 20KD \rightarrow 00KD \rightarrow$

Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human spleen tissue using ABIN7169719 at dilution of 1:100

Western Blotting

Image 3. Western Blot Positive WB detected in: PC-3 whole cell lysate, K562 whole cell lysate, HEK293 whole cell lysate, U87 whole cell lysate All lanes: SLAMF1 antibody at 3 μ g/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 38, 34, 41 kDa Observed band size: 38 kDa

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