

SLAP2 Rabbit pAb

Catalog # AP97356

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q9H6Q3
Other Accession	Q9H6Q3
Reactivity	Rat, Mouse
Predicted	Human, Rabbit, Dog, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	28585
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human SLAP2
Epitope Specificity	101-200/261
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Contains 1 SH2 domain.Contains 1 SH3 domain.
SUBUNIT	Interacts (via SH2 domain) with ZAP70 (phosphorylated) and CD3Z (phosphorylated). Interacts (via SH2 domain) with CSF1R (phosphorylated) (By similarity). Interacts (via its C-terminal domain) with CBL (phosphorylated). Phosphorylated by CSF1R (By similarity).
Post-translational modifications	
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLA2 is a 261 amino acid protein that exists as four alternatively spliced isoforms which localize to either the cytoplasm or to the cell membrane and contain one SH2 domain and one SH3 domain. Expressed predominately in tissues of the immune system, including thymus, spleen and lymph nodes, SLA2 functions as an adaptor protein that negatively regulates T-cell receptor (TCR) signaling and may inhibit T-cell activation. SLA2 interacts with Zap-70 and is subject to post-translational phosphorylation. The gene encoding SLA2 maps to human chromosome 20. Comprising approximately 2% of the human genome, chromosome 20 contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome.

Additional Information

Gene ID	84174
Other Names	C20orf156; MARS; SLAP-2; SLAP2; SLAP2_HUMAN; SLA2; Modulator of antigen receptor signaling (MARS); Src-like adapter protein 2 (SLAP-2); Src like adaptor 2; Src-like-adaptor 2

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SLA2
Synonyms	C20orf156, SLAP2
Function	Adapter protein, which negatively regulates T-cell receptor (TCR) signaling. Inhibits T-cell antigen-receptor induced activation of nuclear factor of activated T-cells. May act by linking signaling proteins such as ZAP70 with CBL, leading to a CBL dependent degradation of signaling proteins.
Cellular Location	Cytoplasm. [Isoform 2]: Cytoplasm. Note=May be cytoplasmic and is not localized to membranes
Tissue Location	Predominantly expressed in immune system, with highest levels in peripheral blood leukocytes. Expressed in spleen, thymus and lymph nodes. Expressed in T-cells as well as in monocytes, and at low level in B-cells. Also detected in placenta, prostate, skin, retina and colon

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.