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SH2D2A Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP53374

Product Information

Application	WB
Primary Accession	Q9NP31
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	42934

Additional Information

Gene ID	9047
Other Names	SH2 domain-containing protein 2A, SH2 domain-containing adapter protein, T cell-specific adapter protein, TSAd, VEGF receptor-associated protein, SH2D2A, SCAP, TSAD, VRAP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human SH2D2A. The exact sequence is proprietary.
Dilution	WB~~ 1:1000
Format	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	SH2D2A
Synonyms	SCAP, TSAD, VRAP
Function	Could be a T-cell-specific adapter protein involved in the control of T-cell activation. May play a role in the CD4-p56-LCK- dependent signal transduction pathway. Could also play an important role in normal and pathological angiogenesis. Could be an adapter protein that facilitates and regulates interaction of KDR with effector proteins important to endothelial cell survival and proliferation.
Cellular Location	Cytoplasm.
Tissue Location	Expression limited to tissues of the immune system and, in particular, activated T-cells. Expressed in peripheral blood leukocytes, thymus and

spleen. Much lower expression or undetectable, in brain, placenta, skeletal muscle, prostate, testis, ovary, small intestine, and colon. Expressed at low levels in unstimulated T-cells, but not expressed in normal resting or activated B-cells. According to PubMed:10692392, expression is not restricted to activated T-cells, but strongly expressed in blood cell lineages, the endothelium and other cell and tissue types, such as heart, lung, and liver

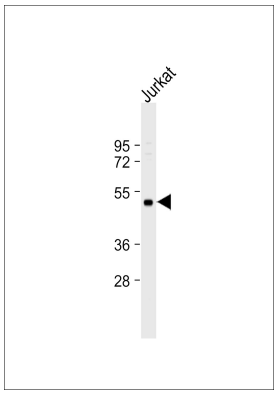
Background

Could be a T-cell-specific adapter protein involved in the control of T-cell activation. May play a role in the CD4-p56- LCK-dependent signal transduction pathway. Could also play an important role in normal and pathological angiogenesis. Could be an adapter protein that facilitates and regulates interaction of KDR with effector proteins important to endothelial cell survival and proliferation.

References

Spurkland A.,et al.J. Biol. Chem. 273:4539-4546(1998).
Dai K.Z.,et al.Immunogenetics 51:179-185(2000).
Wu L.-W.,et al.J. Biol. Chem. 275:6059-6062(2000).
Lee J.-S.,et al.Submitted (FEB-1998) to the EMBL/GenBank/DDBJ databases.
Suzuki Y.,et al.Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.

Images



Anti-SH2D2A Antibody at 1:1000 dilution + Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution. Predicted band size : 43 kDa Blocking/Dilution buffer: 5% NFDM/TBST.