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Anti-SH2D2A Antibody

Catalog # AP53374

Product Information

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

Additional Information

Gene ID	9047
Other Names	SCAP; TSAD; VRAP; SH2 domain-containing protein 2A; SH2 domain-containing adapter protein; T cell-specific adapter protein; TSAd; VEGF receptor-associated protein
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 IHC~~1:100~500
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

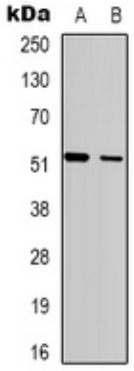
Name	SH2D2A
Synonyms	SCAP, TSAD, VRAP
Function	Could be a T-cell-specific adapter protein involved in the control of T-cell activation. May play a role in the CD4-p56-LCK- dependent signal transduction pathway. Could also play an important role in normal and pathological angiogenesis. Could be an adapter 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

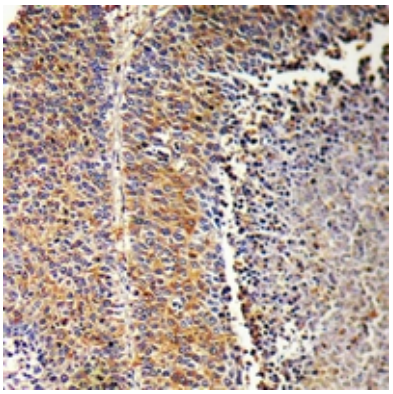
References

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



Western blot analysis of SH2D2A expression in MDAMB435 (A), HepG2 (B) whole cell lysates. (Predicted band size: 42 kD; Observed band size: 52 kD)



Immunohistochemical analysis of SH2D2A staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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