10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SH2D2A Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5330c

Specification

SH2D2A Antibody (Center) Blocking peptide - Product Information

Primary Accession	Q9NP31
Other Accession	NP_003966.2

SH2D2A Antibody (Center) Blocking peptide - 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

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

SH2D2A Antibody (Center) Blocking peptide - 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

SH2D2A Antibody (Center) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

SH2D2A Antibody (Center) Blocking peptide - Images

SH2D2A Antibody (Center) Blocking peptide - Background

This protein encodes an adaptor protein thought to function in T-cell signal transduction. A related protein in mouse is responsible for the activation of lymphocyte-specific protein-tyrosine kinase and functions in downstream signaling. Alternative splicing results in multiple transcript variants.

SH2D2A Antibody (Center) Blocking peptide - References

Trynka, G., et al. Gut 58(8):1078-1083(2009)Granum, S., et al. J. Biol. Chem. 283(32):21909-21919(2008)Lorentzen, A.R., et al. J. Neuroimmunol. 197(2):152-158(2008)