SH2D2A Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SH2D2A, Polyclonal Antibody
Full Product Name	SH2D2A Conjugated Antibody
Product Gene Name	anti-SH2D2A antibody
Product Synonym Names	SCAP; SH2 domain containing adapter; SH2 domain protein 2A; SH2 domain-containing 2A; SH22A
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total SH2D2A protein.
Preparation and Storage	Store at 4 degree C for 6 months.
Molecular Weight	42,934 Da
Chromosome Location	Chromosome: 1; NC_000001.10 (156776035..156786640, complement). Location: 1q21
OMIM	604514
3D Structure	ModBase 3D Structure for Q9NP31
Immunogen	Synthesized peptide derived from internal of human SH2D2A.
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-SH2D2A antibody	Most Applications
Application Notes for anti-SH2D2A antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-SH2D2A antibody	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.
Other Notes	Small volumes of anti-SH2D2A antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for SH2D2A purchase	MBS9445766 is an antibody targeting SH2D2A. Also known as SH2D2A Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SH2D2A. It may not necessarily be applicable to this product.

NCBI GI #	239787758
NCBI GeneID	9047
NCBI Accession #	NP_001154914.1
UniProt Primary Accession #	Q9NP31
UniProt Secondary Accession #	O43817; Q5UBZ1; Q5VZS4; Q5VZS5; Q9UPA7
UniProt Related Accession #	Q9NP31
GenBank Nucleotide #	NM_001161442.1
NCBI Official Full Name	SH2 domain-containing protein 2A isoform 3
NCBI Official Synonym Full Names	SH2 domain containing 2A
NCBI Official Symbol	SH2D2A
NCBI Official Synonym Symbols	SCAP; TSAD; VRAP; F2771
UniProt Protein Name	SH2 domain-containing protein 2A
UniProt Synonym Protein Names	SH2 domain-containing adapter protein; T cell-specific adapter protein; TSAd; VEGF receptor-associated protein
Protein Family	SH2 domain-containing protein
UniProt Gene Name	SH2D2A
UniProt Synonym Gene Names	SCAP; TSAD; VRAP; TSAd
UniProt Entry Name	SH22A_HUMAN
NCBI Protein Information	SH2 domain-containing protein 2A; SH2 domain protein 2A; VEGF receptor-associated protein; T cell specific adapter protein TSAd; T lymphocyte specific adaptor protein
NCBI Summary for SH2D2A	This gene 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. [provided by RefSeq, Mar 2010]
UniProt Comments for SH2D2A	TSAd: an adaptor protein that may facilitate and regulate interaction of KDR with effector proteins important to endothelial cell survival and proliferation. May play a role in the CD4-p56- LCK-dependent signal transduction pathway in T cells. Could also play an important role in normal and pathological angiogenesis. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 1q21 Cellular Component: cytoplasm; cytosol Molecular Function: protein binding; SH3/SH2 adaptor activity; SH3 domain binding Biological Process: cell proliferation; positive regulation of signal transduction; angiogenesis; signal transduction; cell differentiation; vascular endothelial growth factor receptor signaling pathway
Research Articles on SH2D2A	**1.** in chronic inflammatory demyelinating polyneuropathy we found an association with a homozygous genotype for a low repeat number of tandem GA in the SH2D2A gene
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