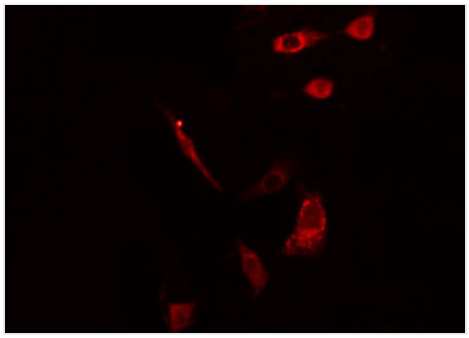
SH2D2A Antibody – Rabbit Polyclonal

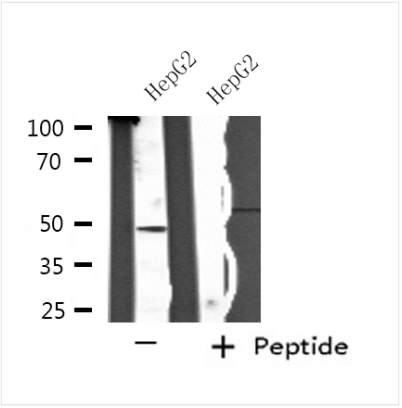
PRODUCT OVERVIEW

Product Name	SH2D2A, Polyclonal Antibody
Full Product Name	SH2D2A Antibody
Product Gene Name	anti-SH2D2A antibody
Product Synonym Names	F2771; SCAP; SH2 domain containing adapter protein; SH2 domain containing protein 2A; SH2 domain protein 2A; SH2 domain-containing adapter protein; SH2 domain-containing protein 2A; SH22A_HUMAN; Sh2d2a; T cell specific adapter protein; T cell specific adapter protein TSAd; T cell specific adpater protein TSAd; T cell-specific adapter protein; T lymphocyte specific adaptor protein; TSAd; VEGF receptor associated protein; VEGF receptor-associated protein; VRAP
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Concentration	1mg/ml (lot specific)
Specificity	SH2D2A antibody detects endogenous levels of total SH2D2A
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.
Antibody/Peptide Pairs	SH2D2A peptide (MBS9624668) is used for blocking the activity of SH2D2A antibody (MBS9605951)
Molecular Weight	Observed: 48 kD Predicted: 43 kDa
3D Structure	ModBase 3D Structure for Q9NP31
Supply Chain Verification	Manufactured in a lab with traceable raw materials manufactured on site. Coordinated product portfolio of antibodies, pairs, conjugates, recombinant proteins, and immunoassay materials available, please inquire.
Immunogen	A synthesized peptide
Tissue Specificity	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.
Predicted Cross Reactivity	**Rabbit**
Similarity	Rabbit (92%)
Conjugation	Unconjugated
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SH2D2A antibody	Western Blot (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), ELISA (EIA)

Application Notes for anti-SH2D2A antibody	WB: 1:500-1:1000 IF/ICC: 1:100-1:500
Related Product Information for anti-SH2D2A antibody	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. Subunit Structure: Interacts with KDR. Interacts with TXK and ITK (By similarity). Post-translational Modifications: Phosphorylated on tyrosine residues.
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	MBS9605951 is an antibody targeting SH2D2A. Also known as SH2D2A Antibody. Reactive in Human. Host: Rabbit.



Immunofluorescence (IF) of anti-SH2D2A antibody
MBS9605951 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



Western Blot (WB) of anti-SH2D2A antibody
Western blot analysis of extracts from HepG2 cells, using SH2D2A antibody.

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
NCBI Protein Information	SH2 domain-containing protein 2A
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	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.
Research Articles on SH2D2A	**1.** Data indicate that the T cell-specific adaptor protein (TSAd) SH2 domain interacts with CD6 antigen and linker for activation of T cells protein (LAT) phosphotyrosine (pTyr) peptides.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/sh2d2a/9605951