

# Summary

Production Name	Lad Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse

## Performance

Conjugation	Unconjugated	
Modification	Unmodified	
lsotype	IgG	
Clonality	Polyclonal	
Form	Liquid	
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw	
	cycles.	
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.	
Purification	Affinity purification	

#### Immunogen

Gene Name	SH2D2A
	SH2D2A; SCAP; TSAD; VRAP; SH2 domain-containing protein 2A; SH2 domain-
Alternative Names	containing adapter protein; T cell-specific adapter protein; TSAd; VEGF receptor-
	associated protein
Gene ID	9047.0
SwissProt ID	Q9NP31.The antiserum was produced against synthesized peptide derived from
	human SH2D2A. AA range:211-260

# Application

Dilution Ratio	WB 1:500 - 1:2000. ELISA: 1:10000.
Molecular Weight	48kD



## Background

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],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.,induction:Rapidly induced after activation of T-cells. However, the gene continues to be expressed in long-term cultures of activated T-cells.,PTM:Phosphorylated on tyrosine residues.,similarity:Contains 1 SH2 domain.,subunit:Interacts with KDR.,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.,

#### **Research Area**

VEGF;

#### **Image Data**



Western blot analysis of lysates from HepG2 cells, using SH2D2A Antibody. The lane on the right is blocked with the synthesized peptide.

## Product Name: Lad Rabbit Polyclonal Antibody Catalog #: APRab13185





Western Blot analysis of various cells using Lad Polyclonal Antibody

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#### Note

For research use only.