

RecomAb™

SH2D1A recombinant monoclonal antibody, clone R09-5F6

Catalog # RAB01916 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SH2D1A.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human SH2D1A.
Theoretical MW (kDa)	Calculated MW: 14 kD
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at -20 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Gene Info — SH2D1A

Entrez GeneID	4068
Protein Accession#	O60880
Gene Name	SH2D1A
Gene Alias	DSHP, EBVS, FLJ18687, FLJ92177, IMD5, LYP, MTCP1, SAP, XLP, XLPD
Gene Description	SH2 domain protein 1A
Omim ID	300490 308240
Gene Ontology	Hyperlink
Gene Summary	<p>This gene encodes a protein that plays a major role in the bidirectional stimulation of T and B cells . This protein contains an SH2 domain and a short tail. It associates with the signaling lymphocyte -activation molecule, thereby acting as an inhibitor of this transmembrane protein by blocking the recruitment of the SH2-domain-containing signal-transduction molecule SHP-2 to its docking site. This protein can also bind to other related surface molecules that are expressed on activated T, B and NK cells, thereby modifying signal transduction pathways in these cells. Mutations in this gene cause lymphoproliferative syndrome X-linked type 1 or Duncan disease, a rare immunodeficiency characterized by extreme susceptibility to infection with Epstein-Barr virus, with symptoms including severe mononucleosis and malignant lymphoma. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq</p>
Other Designations	Duncan's disease OTTHUMP00000023976 SLAM-associated protein T cell signal transduction molecule SAP signaling lymphocyte activation molecule-associated protein

Pathway

- [Natural killer cell mediated cytotoxicity](#)

Disease

- [Common Variable Immunodeficiency](#)
- [Epstein-Barr Virus Infections](#)
- [Genetic Predisposition to Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Infectious Mononucleosis](#)

- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Severe Combined Immunodeficiency](#)