

Datasheet for ABIN1881802  
**anti-SH2D1A antibody (C-Term)**



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## Overview

Quantity:	400 µL
Target:	SH2D1A
Binding Specificity:	AA 85-114, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH2D1A antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	This SH2D1A antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 85-114 amino acids from the C-terminal region of human SH2D1A.
Clone:	RB41923
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	SH2D1A
Alternative Name:	SH2D1A ( <a href="#">SH2D1A Products</a> )
Background:	This gene encodes a protein that plays a major role in the bidirectional stimulation of T and B

## Target Details

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.

Molecular Weight:	14187
NCBI Accession:	<a href="#">NP_001108409</a> , <a href="#">NP_002342</a>
UniProt:	<a href="#">O60880</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a>

## Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Expiry Date:	6 months

## Publications

Product cited in:	Snow, Marsh, Krummey, Roehrs, Young, Zhang, van Hoff, Dhar, Nichols, Filipovich, Su, Bleesing, Lenardo: "Restimulation-induced apoptosis of T cells is impaired in patients with X-linked
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lymphoproliferative disease caused by SAP deficiency." in: **The Journal of clinical investigation**, Vol. 119, Issue 10, pp. 2976-89, (2009) ([PubMed](#)).

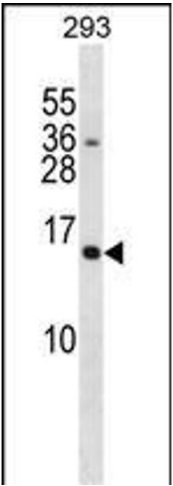
Nagy, Matskova, Kis, Hellman, Klein, Klein: "The proapoptotic function of SAP provides a clue to the clinical picture of X-linked lymphoproliferative disease." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 106, Issue 29, pp. 11966-71, (2009) ([PubMed](#)).

Ostrakhovitch, Wang, Li: "SAP binds to CD22 and regulates B cell inhibitory signaling and calcium flux." in: **Cellular signalling**, Vol. 21, Issue 4, pp. 540-50, (2009) ([PubMed](#)).

Ameratunga, Woon: "Customised molecular diagnosis of primary immune deficiency disorders in New Zealand: an efficient strategy for a small developed country." in: **The New Zealand medical journal**, Vol. 122, Issue 1304, pp. 46-53, (2009) ([PubMed](#)).

Schwartzberg, Mueller, Qi, Cannons: "SLAM receptors and SAP influence lymphocyte interactions, development and function." in: **Nature reviews. Immunology**, Vol. 9, Issue 1, pp. 39-46, (2008) ([PubMed](#)).

Images



Western Blotting

**Image 1.** SH2D1A Antibody (C-term) (ABIN1881802 and ABIN2838903) western blot analysis in 293 cell line lysates (35 µg/lane). This demonstrates the SH2D1A antibody detected the SH2D1A protein (arrow).