

# SH2D3A Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP58388

## Product Information

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<b>Application</b>	WB, IHC-P, IHC-F, IF, E
<b>Primary Accession</b>	<a href="#">Q9BRG2</a>
<b>Reactivity</b>	Pig, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	63093
<b>Physical State</b>	Liquid
<b>Immunogen</b>	KLH conjugated synthetic peptide derived from human NSP1/SH2D3A
<b>Epitope Specificity</b>	151-250/576
<b>Isotype</b>	IgG
<b>Purity</b>	affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**SIMILARITY** Contains 1 SH2 domain.

**SUBUNIT** Interacts with BCAR1.

**Post-translational modifications** Phosphorylated on tyrosine.

**Important Note** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions** SH2D3A is a 576 amino acid protein that is thought to play a role in JNK activation. SH2D3A interacts with p130 Cas and is found at low levels in fetal kidney, fetal lung, placenta, adult pancreas, kidney and lung. Subject to post-translational phosphorylation on multiple tyrosine residues, SH2D3A contains one Src homology 2 (SH2) domain. SH2 domains bind to tyrosine-phosphorylated regions of target proteins, frequently linking activated growth factors to putative signal transduction proteins. The gene encoding SH2D3A maps to human chromosome 19, which consists of over 63 million bases, houses approximately 1,400 genes and is recognized for having the greatest gene density of the human chromosomes. It is the genetic home for a number of immunoglobulin (Ig) superfamily members, including the killer cell and leukocyte Ig-like receptors, a number of ICAMs, the CEACAM and PSG families and Fc receptors (FcRs).

## Additional Information

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**Gene ID** 10045

**Other Names** SH2 domain-containing protein 3A, Novel SH2-containing protein 1, SH2D3A, NSP1

**Target/Specificity** Weakly expressed in placenta, fetal kidney, fetal lung, adult pancreas, adult kidney and adult lung.

<b>Dilution</b>	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
<b>Format</b>	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
<b>Storage</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## Protein Information

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<b>Name</b>	SH2D3A
<b>Synonyms</b>	NSP1
<b>Function</b>	May play a role in JNK activation.
<b>Tissue Location</b>	Weakly expressed in placenta, fetal kidney, fetal lung, adult pancreas, adult kidney and adult lung

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.