

Datasheet for ABIN7601695
anti-SH2D4A antibody (AA 42-454)



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Overview

Quantity:	100 µg
Target:	SH2D4A
Binding Specificity:	AA 42-454
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SH2D4A antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-SH2D4A Antibody Picoband®
Immunogen:	E.coli-derived human SH2D4A recombinant protein (Position: R42-E454).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SH2D4A Antibody Picoband® (ABIN7601695). Tested in ELISA, Flow Cytometry, IF, IHC, ICC, WB applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SH2D4A
Alternative Name:	SH2D4A (SH2D4A Products)
Background:	<p>Synonyms: Tudor domain-containing protein 3, TDRD3</p> <p>Tissue Specificity: Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.</p> <p>Background: SH2 domain-containing protein 4A is a protein that in humans is encoded by the SH2D4A gene. Using exon trapping and exon linking at chromosome 8p22 cloned SH2D4A, which they called SH2A. The deduced 454-amino acid protein contains a single SH2 domain. RT-PCR and Northern blot analysis detected ubiquitous expression of 3 SH2A transcripts, as well as aberrant expression in some cancer cell lines. Dai et al. (2002) concluded that SH2A is a docking protein that may be involved in signal transduction.</p>
Molecular Weight:	50 kDa
Gene ID:	63898
UniProt:	Q9H788

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Rat</p> <p>Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1×10⁶ cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Dai, S., Zhao, Y., Ding, Q. A novel member of SH2A signaling protein family: cloning and characterization of SH2 gene. Chinese J. Med. Genet. 19: 458-462, 2002. 2. Lapinski, P. E., Oliver, J. A., Kamen, L. A., Hughes, E. D., Saunders, T. L., King, P. D. Genetic analysis of SH2D4A, a novel adapter protein related to T cell-specific adapter and adapter protein in lymphocytes of unknown function, reveals a redundant function in T cells. J. Immun. 181: 2019-2027, 2008. 3. Li, T., Li, W., Lu, J., Liu, H., Li, Y., Zhao, Y. SH2D4A regulates cell proliferation via the ER-alpha/PLC-gamma/PKC pathway. BMB Rep. 42: 516-522, 2009.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
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Handling

Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.