

Datasheet for ABIN2785970

anti-Cytohesin 4 antibody (N-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Cytohesin 4 (CYTH4)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Pig, Zebrafish (Danio rerio), Dog, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cytohesin 4 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human PSCD4
Sequence:	NKTAIGTYLG ERDPINLQVL QAFVDCHEFA NLNLVQALRQ FLWSFRLPGE
Predicted Reactivity:	Cow: 100%, Dog: 93%, Guinea Pig: 86%, Horse: 93%, Human: 100%, Mouse: 93%, Pig: 100%, Rabbit: 93%, Rat: 93%, Zebrafish: 91%
Characteristics:	This is a rabbit polyclonal antibody against PSCD4. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Cytohesin 4 (CYTH4)
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Target Details

Alternative Name:	PSCD4 (CYTH4 Products)
Background:	<p>PSCD4 promotes guanine-nucleotide exchange on ARF1 and ARF5. PSCD4 promotes the activation of ARF through replacement of GDP with GTP. Pleckstrin homology, Sec7 and coiled/coil domains 4 (PSCD4) is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. The PSCD4 exhibits GEP activity in vitro with both ARF1 and ARF5 but is inactive with ARF6. The PSCD4 and PSCD1 gene structures are very similar.</p> <p>Alias Symbols: CYT4, DJ63G5.1, PSCD4</p> <p>Protein Interaction Partner: KRT40, TRIM54, AMOTL2, SNAPC5, CNKSR1, KRT15, KIFC3, FOS, UBC, IPCEF1,</p> <p>Protein Size: 394</p>
Molecular Weight:	46 kDa
Gene ID:	27128
NCBI Accession:	NM_013385 , NP_037517
UniProt:	Q9UIA0

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 394 AA
Restrictions:	For Research Use only

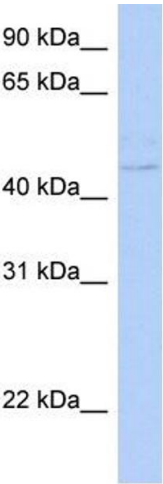
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-PSCD4 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: Human Liver