ARG43272
anti-CYTH1 / Cytohesin 1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CYTH1 / Cytohesin 1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CYTH1 / Cytohesin 1
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-70 of Human CYTH1 / Cytohesin 1 (NP_004753.1).
Conjugation	Un-conjugated
Alternate Names	PH, SEC7 and coiled-coil domain-containing protein 1; B2-1; Cytohesin-1; CYTOHESIN-1; SEC7 homolog B2-1; SEC7; D17S811E; PSCD1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:50 - 1:200
WB	1:200 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse brain
Observed Size	~ 46 kDa

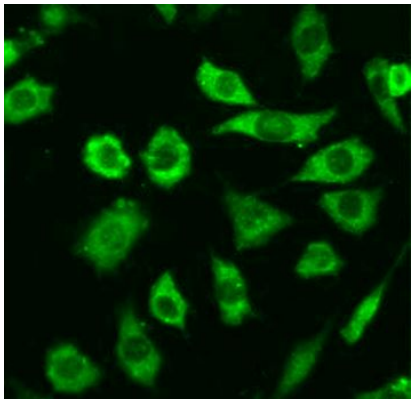
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

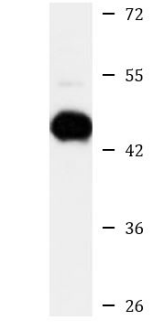
Gene Symbol	CYTH1
Gene Full Name	cytohesin 1
Background	The protein encoded by this gene is a member of the PSCD family. Members of this family have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein 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. This gene is highly expressed in natural killer and peripheral T cells, and regulates the adhesiveness of integrins at the plasma membrane of lymphocytes. A pseudogene of this gene has been defined on the X chromosome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
Function	Promotes guanine-nucleotide exchange on ARF1, ARF5 and ARF6. Promotes the activation of ARF factors through replacement of GDP with GTP. Plays an important role in membrane trafficking, during junctional remodeling and epithelial polarization, through regulation of ARF6 activity. [UniProt]
Calculated Mw	46 kDa
Cellular Localization	Cell membrane; Peripheral membrane protein. Cytoplasm, cytosol. Cell junction, tight junction. Cell junction, adherens junction. Note=Colocalized with TJP1 during epithelial polarization. [UniProt]

Images



ARG43272 anti-CYTH1 / Cytohesin 1 antibody ICC/IF image

Immunofluorescence: L929 cells stained with ARG43272 anti-CYTH1 / Cytohesin 1 antibody at 1:100 dilution.



ARG43272 anti-CYTH1 / Cytohesin 1 antibody WB image

Western blot: 25 µg of Mouse brain lysate stained with ARG43272 anti-CYTH1 / Cytohesin 1 antibody at 1:1000 dilution.