

ARG54868
anti-PACSIN2 antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes PACSIN2
Tested Reactivity	Hu, Ms
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	PACSIN2
Species	Human
Immunogen	KLH-conjugated synthetic peptide corresponding to aa. 342-371 (C-terminus) of Human PACSIN2.
Conjugation	Un-conjugated
Alternate Names	SDP11; Protein kinase C and casein kinase substrate in neurons protein 2; Syndapin-II; Syndapin-2

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:100
	IHC-P	Assay-dependent
	WB	1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Daudi	

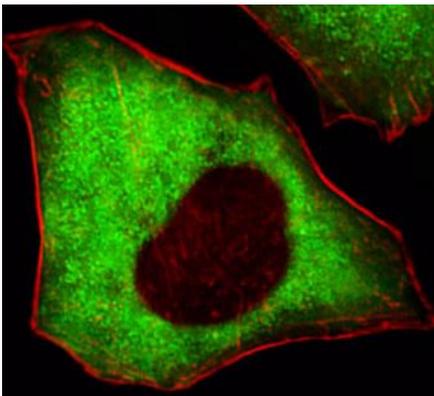
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS and 0.09% (W/V) Sodium azide
Preservative	0.09% (W/V) Sodium azide
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 or below. 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

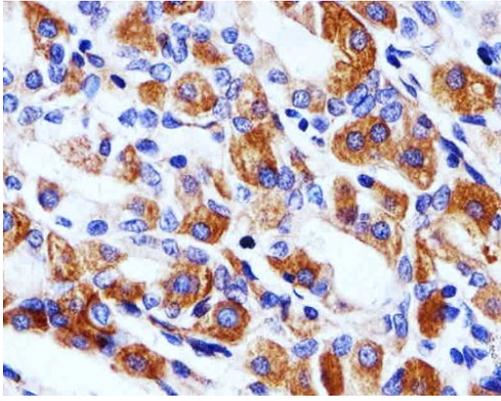
Database links	GeneID: 11252 Human GeneID: 23970 Mouse Swiss-port # Q9UNF0 Human Swiss-port # Q9WVE8 Mouse
Gene Symbol	PACSIN2
Gene Full Name	protein kinase C and casein kinase substrate in neurons 2
Background	This gene is a member of the protein kinase C and casein kinase substrate in neurons family. The encoded protein is involved in linking the actin cytoskeleton with vesicle formation by regulating tubulin polymerization. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2010]
Function	Lipid-binding protein that is able to promote the tubulation of the phosphatidic acid-containing membranes it preferentially binds. Plays a role in intracellular vesicle-mediated transport. Involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization in the absence of EGF stimulus. May also play a role in the formation of caveolae at the cell membrane. Recruits DNM2 to caveolae, and thereby plays a role in caveola-mediated endocytosis. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	56 kDa
PTM	Phosphorylated by casein kinase 2 (CK2) and protein kinase C (PKC).
Cellular Localization	Cytoplasm. Cytoplasm, cytoskeleton. Cytoplasmic vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Early endosome Recycling endosome membrane. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection. Membrane, caveola. Note=Detected at the neck of flask-shaped caveolae. Localization to tubular recycling endosomes probably requires interaction with MICALL1 and EHD1

Images



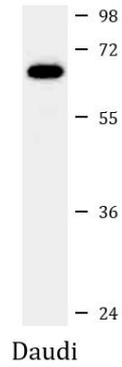
ARG54868 anti-PACSIN2 antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG54868 anti-PACSIN2 antibody (green) at 1:100 dilution. Cytoplasmic actin was counterstained with Dylight Fluor® 554 conjugated Phalloidin (red).



ARG54868 anti-PACSIN2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human stomach tissue stained with ARG54868 anti-PACSIN2 antibody at 1:100 dilution.



ARG54868 anti-PACSIN2 antibody WB image

Western blot: 35 µg of Daudi cell lysate stained with ARG54868 anti-PACSIN2 antibody.