

ARG63613 anti-PACSIN1 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes PACSIN1
Tested Reactivity	Hu
Predict Reactivity	Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	Reported variants represent identical protein (NP_065855.1; NP_001186512.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	PACSIN1
Species	Human
Immunogen	SSSYDEASLAPEET-C
Conjugation	Un-conjugated
Alternate Names	SDPI; Protein kinase C and casein kinase substrate in neurons protein 1; Syndapin-1

Application Instructions

Application table	Application	Dilution
	IHC-P	2.5 µg/ml
	WB	0.03 - 0.1 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
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.

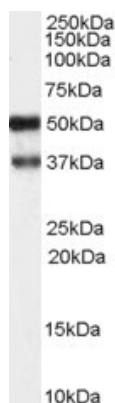
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

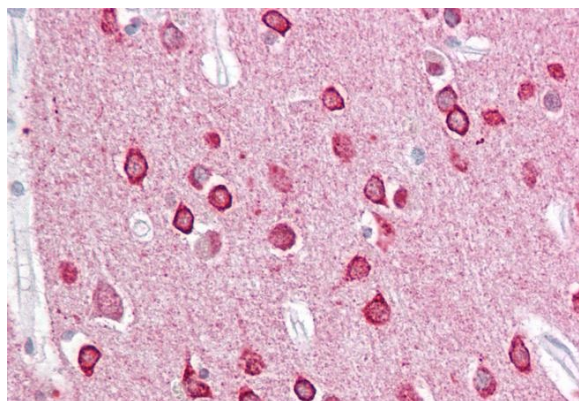
Database links	GeneID: 29993 Human Swiss-port # Q9BY11 Human
Gene Symbol	PACSIN1
Gene Full Name	protein kinase C and casein kinase substrate in neurons 1
Function	Plays a role in the reorganization of the microtubule cytoskeleton via its interaction with MAPT; this decreases microtubule stability and inhibits MAPT-induced microtubule polymerization. Plays a role in cellular transport processes by recruiting DNM1, DNM2 and DNM3 to membranes. Plays a role in the reorganization of the actin cytoskeleton and in neuron morphogenesis via its interaction with COBL and WASL, and by recruiting COBL to the cell cortex. Plays a role in the regulation of neurite formation, neurite branching and the regulation of neurite length. Required for normal synaptic vesicle endocytosis; this process retrieves previously released neurotransmitters to accommodate multiple cycles of neurotransmission. Required for normal excitatory and inhibitory synaptic transmission (By similarity). Binds to membranes via its F-BAR domain and mediates membrane tubulation. [UniProt]
Research Area	Signaling Transduction antibody
Calculated Mw	51 kDa
PTM	Phosphorylated by casein kinase 2 (CK2) and protein kinase C (PKC).

Images



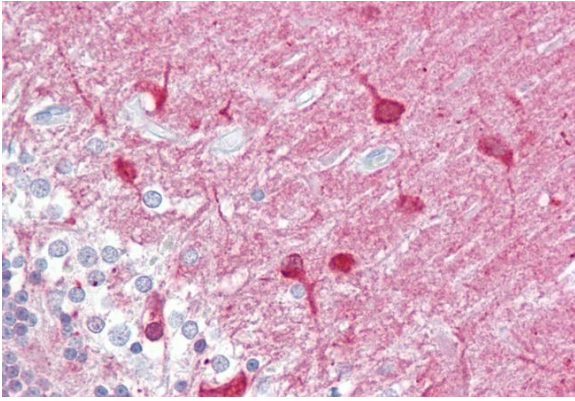
ARG63613 anti-PACSIN1 antibody WB image

Western Blot: Human Brain (hippocampus) lysate (35 µg protein in RIPA buffer) stained with ARG63613 anti-PACSIN1 antibody at 1 µg/ml dilution.



ARG63613 anti-PACSIN1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cortex tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63613 anti-PACSIN1 antibody at 2.5 µg/ml dilution followed by AP-staining.



ARG63613 anti-PACSIN1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human cerebellum tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63613 anti-PACSIN1 antibody at 2.5 µg/ml dilution followed by AP-staining.