

## 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

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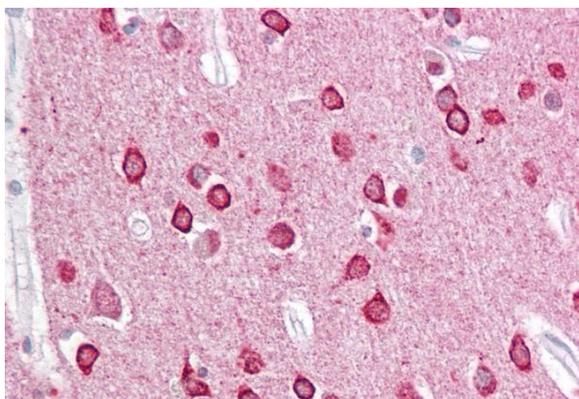
Database links	<a href="#">GeneID: 29993 Human</a> <a href="#">Swiss-port # Q9BY11 Human</a>
Gene Symbol	PACSIN1
Gene Full Name	protein kinase C and casein kinase substrate in neurons 1
Function	Plays a role in the reorganization of the microtubule cytoskeleton via its interaction with MAPT; this decreases 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



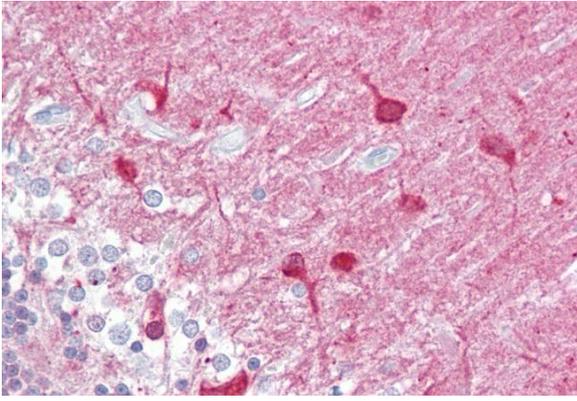
ARG63613 anti-PACSIN1 antibody WB image

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.