

Rabbit Anti-PACSIN2/AF350 Conjugated antibody

SL19998R-AF350

Product Name	Anti-PACSIN2/AF350
Chinese Name	AF350 标记的胞浆磷蛋白 PACSIN2 抗体
Alias	cytoplasmic phosphoprotein PACSIN2; Moderately similar to h74 gene product; OTTHUMP00000198281; OTTHUMP00000198282; OTTHUMP00000198283; OTTHUMP00000198284; PACN2_HUMAN; Pacsin2; protein kinase C and casein kinase substrate in neurons 2; protein kinase C and casein kinase substrate in neurons 2; Protein kinase C and casein kinase substrate in neurons protein 2; Protein kinase C and casein kinase substrate in neurons protein; SDP II; SDPII; Syndapin II.
Research Area	Cell biology Neurobiology Signal transduction
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse,Rat(predicted:Human,Dog,Pig,Cow,Horse,Rabbit,Sheep) IF=1:100-500
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	56kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human PACSIN2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Product Detail	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:

May play a role in vesicle formation and transport.

Subunit:

Homodimer. May form heterooligomers with other PACSINs. Interacts (via NPF motifs) with EHD1 (via EH domain). Interacts with EHD3. Interacts (via the SH3 domain) with MICALL1. Interacts with RAC1. Interacts (via SH3 domain) with DNMT1, SYN1, SYNJ1 and WASL. Interacts with CAV1. Interacts with TRPV4.

Subcellular Location:

Cytoplasmic vesicle. Vesicle-like cytoplasmic distribution.

Tissue Specificity:

Ubiquitously expressed.

Post-translational modifications:

Phosphorylated by casein kinase 2 (CK2) and protein kinase C (PKC).

Similarity:

Belongs to the PACSIN family.

Contains 1 FCH domain.

Contains 1 SH3 domain.

Database links:

[Entrez Gene: 11252](#) Human

[Entrez Gene: 23970](#) Mouse

[Omim: 604960](#) Human

[SwissProt: Q9UNF0](#) Human

[SwissProt: Q9WVE8](#) Mouse

[Unigene: 162877](#) Human



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[Unigene: 23978](#) Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.