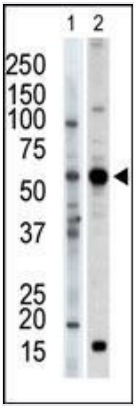
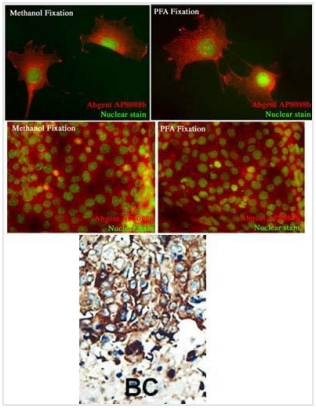
PACSIN2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PACSIN2, Polyclonal Antibody
Full Product Name	PACSIN2, CT (Protein Kinase C And Casein Kinase Substrate In Neurons Protein 2) (PE)
Product Gene Name	anti-PACSIN2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein G Affinity Chromatography.
Specificity	Recognizes human PACSIN2. Species Crossreactivity: mouse.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: PE conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	55.738
OMIM	604960
3D Structure	ModBase 3D Structure for Q9UNF0
Immunogen	Synthetic peptide selected from the C-terminal region of human PACSIN2 (KLH).
Conjugate	PE
Note	Preservative Free
Special Handling	Light sensitive
Product Categories/Family for anti-PACSIN2 antibody	Antibodies; Protein Kinases
Applications Tested/Suitable for anti-PACSIN2 antibody	Immunofluorescence (IF), FLISA, Immunohistochemistry (IHC), Western Blot (WB)
Application Notes for anti-PACSIN2 antibody	IF: 1:50-1:100 FLISA: 1:1,000 IHC: 1:50-1:100 WB: 1:100-1:500 Applications are based on unconjugated antibody.
Related Product Information for anti-PACSIN2 antibody	MBS6491690 is an antibody targeting PACSIN2. Also known as PACSIN2, CT (Protein Kinase C And Casein Kinase Substrate In Neurons Protein 2) (PE). Reactive in Human, Mouse. Host: Rabbit.
Product References and Citations for anti-PACSIN2 antibody	1. Strausberg, R.L., et al., Proc. Natl. Acad. Sci. USA 99(26):16899-16903 (2002). 2. Wiemann, S., et al., Genome Res. 11(3):422-435 (2001). 3. Ritter, B., et al., FEBS Lett. 454(3):356-362 (1999). 4. Dunham, I., et al., Nature 402(6761):489-495 (1999).
Other Notes	Small volumes of anti-PACSIN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PACSIN2 antibody
The anti-PACSIN2 Pab is used in Western blot to detect PACSIN2 in T-47D cell lysate (Lane 1) and mouse brain tissue lysate (Lane 2).



Immunohistochemistry (IHC) of anti-PACSIN2 antibody
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PACSIN2. It may not necessarily be applicable to this product.

NCBI GI #	148747351
NCBI GeneID	11252
NCBI Accession #	NP_009160
UniProt Primary Accession #	Q9UNF0
UniProt Related Accession #	Q9UNF0
GenBank Nucleotide #	NP_009160.2
NCBI Official Full Name	protein kinase C and casein kinase substrate in neurons protein 2 isoform A
NCBI Official Synonym Full Names	protein kinase C and casein kinase substrate in neurons 2
NCBI Official Symbol	PACSIN2
NCBI Official Synonym Symbols	SDPII
UniProt Protein Name	Protein kinase C and casein kinase substrate in neurons protein 2
UniProt Synonym Protein Names	Syndapin 2; Syndapin-II
Protein Family	Protein kinase C and casein kinase substrate in neurons 2 protein
UniProt Gene Name	PACSIN2
UniProt Entry Name	PACN2_HUMAN
NCBI Protein Information	protein kinase C and casein kinase substrate in neurons protein 2
NCBI Summary for PACSIN2	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]
Research Articles on PACSIN2	**1.** Pacsin2 recruitment is important for maintenance of cell-cell adhesion by stabilizing the VE-cadherin complex within focal adherens junctions and inhibition of its internalization.
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