

For Research Use Only

# PACSIN2 Recombinant antibody

Catalog Number: 84763-4-RR



## Basic Information

<b>Catalog Number:</b> 84763-4-RR	<b>GenBank Accession Number:</b> BC008037	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 11252	<b>CloneNo.:</b> 242193H3
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9UNF0	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000 IHC: 1:250-1:1000 IF/ICC: 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> protein kinase C and casein kinase substrate in neurons 2	
<b>Immunogen Catalog Number:</b> AG0809	<b>Calculated MW:</b> 56 kDa <b>Observed MW:</b> 60 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse	<b>WB:</b> A431 cells, HepG2 cells, NIH/3T3 cells
<b>Note-IHC:</b> suggested antigen retrieval with <b>TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC:</b> human breast cancer tissue, <b>IF/ICC:</b> HepG2 cells, NIH/3T3 cells

## Background Information

Peripheral membrane proteins of the Bin/amphiphysin/Rvs (BAR) and Fer-CIP4 homology-BAR (F-BAR) family participate in cellular membrane trafficking (PMID: 19549836). PACSIN2 (also known as syndapin-2) is a member of the protein kinase C and casein kinase substrate in neurons (PACSIN) family, which are membrane-binding proteins characterized by an amino-terminal F-BAR domain. PACSIN2 plays a role in intracellular vesicle-mediated transport. It is involved in the endocytosis of cell-surface receptors like the EGF receptor, contributing to its internalization (PMID: 23129763). PACSIN2 also has a role in caveolae membrane sculpting (PMID: 21610094).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

For technical support and original validation data for this product please contact:

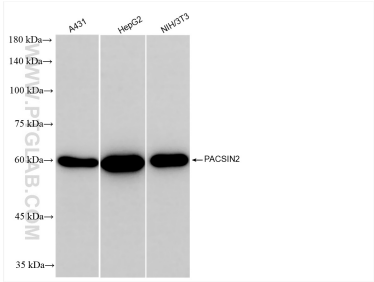
T: 4006900926

E: Proteintech-CN@ptglab.com

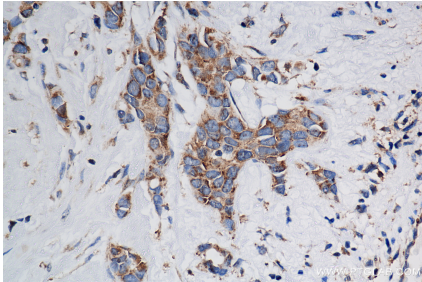
W: ptgcn.com

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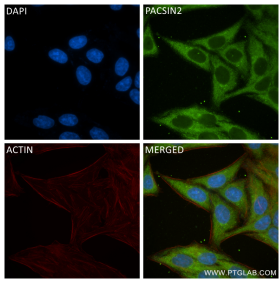
Selected Validation Data



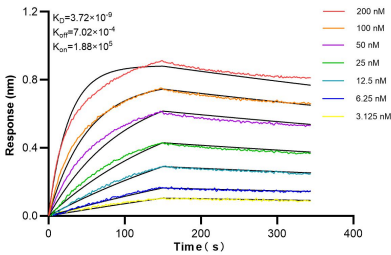
Various lysates were subjected to SDS PAGE followed by western blot with 84763-4-RR (PACSIN2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 84763-4-RR (PACSIN2 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with .



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PACSIN2 antibody (84763-4-RR, Clone: 242193H3 ) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84763-4-RR against Human PACSIN2 were performed. The affinity constant is 3.72 nM.