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Datasheet for ABIN6992140 anti-PACS2 antibody (AA 330-380)

Overview

Quantity:	0.1 mg
Target:	PACS2
Binding Specificity:	AA 330-380
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PACS2 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	PACS2 antibody was raised against a 17 amino acid peptide near the center of human PACS2. The immunogen is located within amino acids 330 - 380 of PACS2.
Isotype:	IgG
Specificity:	PACS2 antibody is human, mouse and rat reactive. At least three isoforms of PACS2 are known to exist, this antibody will detect all three. PACS2 antibody is predicted to not cross-react with PACS1.
Purification:	PACS2 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PACS2
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Target Details

Alternative Name:	PACS2 (PACS2 Products)
Background:	PACS2 (phosphofurin acidic cluster sorting protein-2), PACS1L, is an 889 amino acid protein that localizes to both the mitochondrion and the lumen of the endoplasmic reticulum (ER) and belongs to the PACS family (1,2). It is expressed in a broad range of tissues with highest expression in skeletal muscle, brain, heart, testis and pancreas (2,). PACS2 interacts with Polycystin-2 and BID and functions as a sorting protein that regulates mitochondria-ER communication and is thought to be involved in ion channel trafficking, specifically direct cluster-containing ion channels to distinct subcellular compartments (3-5).
Molecular Weight:	Predicted: 98 kDa Observed: 95 kDa
Gene ID:	23241
NCBI Accession:	NP_056012
UniProt:	Q86VP3

Application Details

Application Notes:	PACS2 antibody can be used for detection of PACS2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. Antibody validated: Western Blot in mouse samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PACS2 antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C, 4 °C

Handling

Storage Comment: PACS2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.