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Datasheet for ABIN6992139 **anti-PACS1 antibody (AA 430-480)**

Overview

Quantity:	0.1 mg
Target:	PACS1
Binding Specificity:	AA 430-480
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PACS1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	PACS1 antibody was raised against a 17 amino acid peptide near the center of human PACS1. The immunogen is located within amino acids 430 - 480 of PACS1.
Isotype:	IgG
Specificity:	PACS1 antibody is human, mouse and rat reactive. Multiple isoforms of PACS1 are known to exist. PACS1 antibody is predicted to not cross-react with PACS2.
Purification:	PACS1 antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PACS1
Alternative Name:	PACS1 (PACS1 Products)

Target Details

Background:	The phosphofurin acidic cluster sorting protein 1 (PACS1), belongs to the PACS family of cytosolic connector proteins that localize different membrane proteins to the trans-Golgi network (TGN) (1,2). Mutations in PACS1 cause defects in cranial-neural crest migration during early development, leading to a recognizable intellectual disability syndrome (3). PACS1, along with the related protein PACS2, also plays a role in HIV-1 Nef-mediated downregulation of cell surface MHC-I molecules to the TGN, thereby enabling HIV-1 to escape immune surveillance (4).
Molecular Weight:	Predicted: 106 kDa Observed: 105 kDa
Gene ID:	55690
NCBI Accession:	NP_060496
UniProt:	Q6VY07

Application Details

Application Notes:	<p>PACS1 antibody can be used for detection of PACS1 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2 µg/mL For immunofluorescence start at 20 µg/mL.</p> <p>Antibody validated: Western Blot in rat samples, Immunohistochemistry in mouse samples and Immunofluorescence in human and mouse samples. All other applications and species not yet tested.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PACS1 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.

Handling

Storage: -20 °C, 4 °C

Storage Comment: PACS1 antibody can be stored at 4°C for three months and -20°C, stable for up to one year.