BOSTER BIOLOGICAL TECHNOLOGY
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Anti-PACS2 Antibody

Catalog Number: A08193

About PACS2

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).

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Overview

Product Name	Anti-PACS2 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PACS2 Antibody (Catalog # A08193). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PACS2 antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	PACS2 antibody can be stored at 4°C, stable for up to one year.
Host	Rabbit
Uniprot ID	Q86VP3

Technical Details

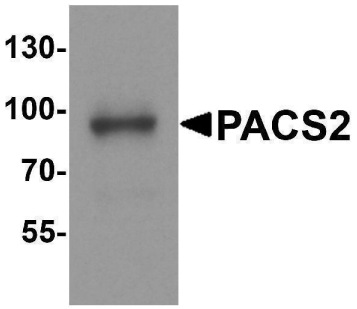
Immunogen	PACS2 antibody was raised against a 17 amino acid peptide near the center of human PACS2. The immunogen is located within amino acids 330 - 380 of PACS2.
Predicted Reactive Species	Bovine
Cross Reactivity	PACS2 antibody is human, mouse and rat reactive. At least three isoforms of PACS2 are known to exist; this antibody will detect all three. PACS2 antibody is predicted to not cross-react with PACS1.

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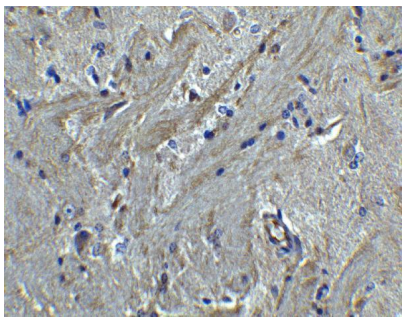
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	PACS2 antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	PACS2 antibody can be used for detection of PACS2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. Antibody validated: Western Blot in mouse samples; Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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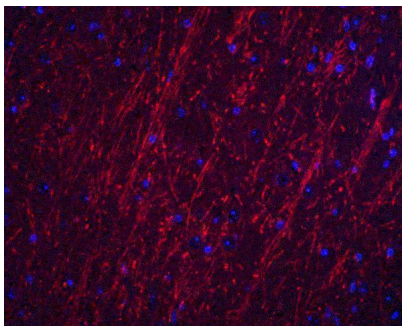
Anti-PACS2 Antibody (A08193) Images



Western blot analysis of PACS2 in mouse brain tissue lysate with PACS2 antibody at 1 ug/ml.



Immunohistochemistry of PACS2 in mouse brain tissue with PACS2 antibody at 5 ug/mL.



Immunofluorescence of PACS2 in mouse brain tissue with PACS2 antibody at 20 ug/ml.Red: PACS2 Antibody (A08193) Blue: DAPI staining

Anti-PACS2 Antibody

For Research Use Only. Not for use in diagnostic procedures.