10320 Camino Santa Fe, Suite G
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Tel: 858.875.1900 Fax: 858.875.1999

PACS2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13142B

Specification

PACS2 Antibody (C-term) - Product Information

Application	**WB, IHC-P,E**
Primary Accession	Q86VP3
Other Accession	NP_001094383.1, NP_056012.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**97702**
Antigen Region	**642-671**

PACS2 Antibody (C-term) - Additional Information

Gene ID 23241

Other Names
Phosphofurin acidic cluster sorting protein 2, PACS-2, PACS1-like protein, PACS2, KIAA0602, PACS1L

Target/Specificity
This PACS2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 642-671 amino acids from the C-terminal region of human PACS2.

Dilution
WB~~1:1000
IHC-P~~1:10~50

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PACS2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PACS2 Antibody (C-term) - Protein Information

Name PACS2 (HGNC:23794)

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Synonyms KIAA0602, PACS1L

Function Multifunctional sorting protein that controls the endoplasmic reticulum (ER)-mitochondria communication, including the apposition of mitochondria with the ER and ER homeostasis. In addition, in response to apoptotic inducer, translocates BIB to mitochondria, which initiates a sequence of events including the formation of mitochondrial truncated BID, the release of cytochrome c, the activation of caspase-3 thereby causing cell death. May also be involved in ion channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments.

Cellular Location
Endoplasmic reticulum. Mitochondrion

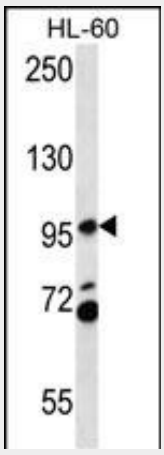
Tissue Location
Broadly expressed, with greatest levels in skeletal muscle followed by heart, brain, pancreas and testis

PACS2 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PACS2 Antibody (C-term) - Images



PACS2 Antibody (C-term) (Cat. #AP13142b) western blot analysis in HL-60 cell line lysates (35ug/lane).This demonstrates the PACS2 antibody detected the PACS2 protein (arrow).

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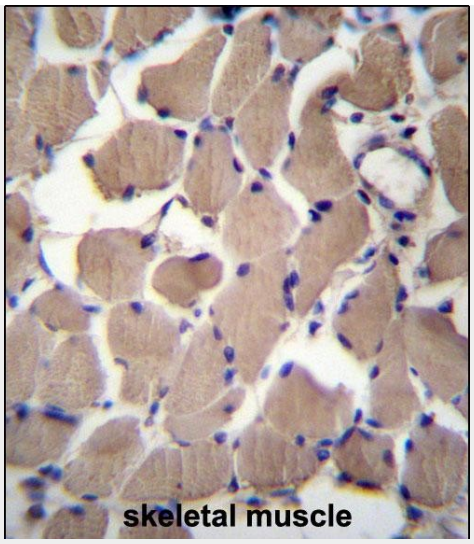

PACS2 Antibody (C-term) (Cat. #AP13142b)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PACS2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

PACS2 Antibody (C-term) - Background

Multifunctional sorting protein that controls the endoplasmic reticulum (ER)-mitochondria communication, including the apposition of mitochondria with the ER and ER homeostasis. In addition, in response to apoptic inducer, translocates BIB to mitochondria, which initiates a sequence of events including the formation of mitochondrial truncated BID, the release of cytochrome c, the activation of caspase-3 thereby causing cell death. May also be involved in ion channel trafficking, directing acidic cluster-containing ion channels to distinct subcellular compartments.

PACS2 Antibody (C-term) - References

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Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)
Aslan, J.E., et al. Mol. Cell 34(4):497-509(2009)
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