

PACS2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13142b**Specification**

PACS2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q86VP3](#)**PACS2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 23241**Other Names**

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

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13142b was selected from the C-term region of PACS2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

PACS2 Antibody (C-term) Blocking Peptide - Protein Information**Name** PACS2 ([HGNC:23794](#))**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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

PACS2 Antibody (C-term) Blocking Peptide - Images**PACS2 Antibody (C-term) Blocking Peptide - Background**

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PACS2 Antibody (C-term) Blocking Peptide - References

Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010)Oguri, M., et al. Am. J. Hypertens. 23(1):70-77(2010)Aslan, J.E., et al. Mol. Cell 34(4):497-509(2009)Myhill, N., et al. Mol. Biol. Cell 19(7):2777-2788(2008)Atkins, K.M., et al. J. Biol. Chem. 283(17):11772-11784(2008)