

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

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**PACS2 Antibody (C-term) Blocking Peptide - Product Information**Primary 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)