

**PDCL3 Antibody (N-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP13347a****Specification**

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**PDCL3 Antibody (N-term) Blocking peptide - Product Information**Primary Accession [Q9H2J4](#)**PDCL3 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 79031**Other Names**

Phosducin-like protein 3, HTPHLP, PhPL3, Viral IAP-associated factor 1, VIAF-1, PDCL3, PhLP2A, VIAF1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody AP13347a was selected from the N-term region of PDCL3. 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.

**PDCL3 Antibody (N-term) Blocking peptide - Protein Information****Name** PDCL3**Synonyms** PhLP2A, VIAF1**Function**

Acts as a chaperone for the angiogenic VEGF receptor KDR/VEGFR2, increasing its abundance by inhibiting its ubiquitination and degradation (PubMed:<a href="http://www.uniprot.org/citations/23792958" target="\_blank">23792958</a>, PubMed:<a href="http://www.uniprot.org/citations/26059764" target="\_blank">26059764</a>). Inhibits the folding activity of the chaperonin-containing T-complex (CCT) which leads to inhibition of cytoskeletal actin folding (PubMed:<a href="http://www.uniprot.org/citations/17429077" target="\_blank">17429077</a>). Acts as a chaperone during heat shock alongside HSP90 and HSP40/70 chaperone complexes (By similarity). Modulates the activation of caspases during apoptosis (PubMed:<a href="http://www.uniprot.org/citations/15371430" target="\_blank">15371430</a>).

**Cellular Location**

Cytoplasm. Cytoplasm, perinuclear region. Endoplasmic reticulum

**Tissue Location**

Expressed in endothelial cells (at protein level) (PubMed:26059764). Expressed in all tissues examined including spleen, thymus, prostate, testis, ovary, small intestine and colon (PubMed:15371430).

**PDCL3 Antibody (N-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**PDCL3 Antibody (N-term) Blocking peptide - Images****PDCL3 Antibody (N-term) Blocking peptide - Background**

This gene encodes a member of the phosducin-like protein family and is a putative modulator of heterotrimeric G proteins. The protein shares extensive amino acid sequence homology with phosducin. Members of the phosducin-like protein family have been shown to bind to the beta-gamma subunits of G proteins. [provided by RefSeq].

**PDCL3 Antibody (N-term) Blocking peptide - References**

Stirling, P.C., et al. Mol. Biol. Cell 18(6):2336-2345(2007) Lamesch, P., et al. Genomics 89(3):307-315(2007) Wilkinson, J.C., et al. J. Biol. Chem. 279(49):51091-51099(2004) Lopez, P., et al. J. Biol. Chem. 278(3):1751-1757(2003)