

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

PDCL3 Antibody (N-term) Blocking peptide - Product InformationPrimary 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:23792958, PubMed:26059764). Inhibits the folding activity of the chaperonin-containing T-complex (CCT) which leads to inhibition of cytoskeletal actin folding (PubMed:17429077). Acts as a chaperone during heat shock alongside HSP90 and HSP40/70 chaperone complexes (By similarity). Modulates the activation of caspases during apoptosis (PubMed:15371430).

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)