

**PDC Antibody (Center) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP12439c****Specification**

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**PDC Antibody (Center) Blocking peptide - Product Information**Primary Accession [P20941](#)**PDC Antibody (Center) Blocking peptide - Additional Information****Gene ID** 5132**Other Names**

Phosducin, PHD, 33 kDa phototransducing protein, Protein MEKA, PDC

**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.

**PDC Antibody (Center) Blocking peptide - Protein Information****Name** PDC**Function**

May participate in the regulation of visual phototransduction or in the integration of photoreceptor metabolism. Inhibits the transcriptional activation activity of the cone-rod homeobox CRX.

**Cellular Location**Cytoplasm, cytosol. Nucleus. Cell projection, cilium, photoreceptor outer segment  
{ECO:0000250|UniProtKB:P19632} Photoreceptor inner segment  
{ECO:0000250|UniProtKB:P19632}**PDC Antibody (Center) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

**PDC Antibody (Center) Blocking peptide - Images****PDC Antibody (Center) Blocking peptide - Background**

This gene encodes a phosphoprotein, which is located in the outer and inner segments of the rod cells in the retina. This protein may participate in the regulation of visual phototransduction or in the integration of photoreceptor metabolism. It modulates the phototransduction cascade by interacting with the beta and gamma subunits of the retinal G-protein transducin. This gene is a potential candidate gene for retinitis pigmentosa and Usher syndrome type II. Alternatively spliced transcript variants encoding different isoforms have been identified.

#### **PDC Antibody (Center) Blocking peptide - References**

Beetz, N., et al. J. Clin. Invest. 119(12):3597-3612(2009) Klenk, C., et al. J. Biol. Chem. 281(13):8357-8364(2006) Nishiguchi, K.M., et al. Mol. Vis. 10, 62-64 (2004) : Margulis, A., et al. Mol. Vis. 8, 477-482 (2002) : Wistow, G., et al. Mol. Vis. 8, 196-204 (2002) :