

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

Specification

PDC Antibody (Center) Blocking peptide - Product Information

Primary Accession

<u>P20941</u>

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.

<u>Blocking Peptides</u>

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. Thisprotein may participate in the regulation of visualphototransduction or in the integration of photoreceptormetabolism. It modulates the phototransduction cascade by interacting with the beta and gamma subunits of the retinalG-protein transducin. This gene is a potential candidate gene forretinitis pigmentosa and Usher syndrome type II. Alternativelyspliced 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) :