10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PPEF2 antibody (Center R384) Blocking Peptide

Synthetic peptide
Catalog # BP8479b

Specification

PPEF2 antibody (Center R384) Blocking Peptide - Product Information

Primary Accession O14830

PPEF2 antibody (Center R384) Blocking Peptide - Additional Information

Gene ID 5470

Other Names
Serine/threonine-protein phosphatase with EF-hands 2, PPEF-2, PPEF2

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8479b was selected from the Center region of human PPEF2. 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.

PPEF2 antibody (Center R384) Blocking Peptide - Protein Information

Name PPEF2

Function
May play a role in phototransduction. May dephosphorylate photoactivated rhodopsin. May function as a calcium sensing regulator of ionic currents, energy production or synaptic transmission.

Cellular Location
Cytoplasm. Cell projection, cilium, photoreceptor outer segment. Photoreceptor inner segment Note=Localized to photoreceptors, PPEF-2(L) is at least 2 fold more abundant in rod inner segments than in the outer segments

Tissue Location
Retinal specific.

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PPEF2 antibody (Center R384) Blocking Peptide - Protocols

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

- Blocking Peptides

PPEF2 antibody (Center R384) Blocking Peptide - Images

PPEF2 antibody (Center R384) Blocking Peptide - Background

PPEF2 is a member of the serine/threonine protein phosphatase with EF-hand motif family. The protein contains a protein phosphatase catalytic domain, and at least two EF-hand calcium-binding motifs in its C terminus. Although its substrate(s) is unknown, the encoded protein, which is expressed specifically in photoreceptors and the pineal, has been suggested to play a role in the visual system. This protein shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) protein.

PPEF2 antibody (Center R384) Blocking Peptide - References

Kutuzov, M.A., et al., Biochem. Biophys. Res. Commun. 293(3):1047-1052 (2002).Ramulu, P., et al., Mol. Cell. Biol. 21(24):8605-8614 (2001).Sherman, P.M., et al., Proc. Natl. Acad. Sci. U.S.A. 94(21):11639-11644 (1997).