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

# PPEF2 Antibody (Center) Blocking Peptide
**Synthetic peptide**
**Catalog # BP14402c**

## Specification

### PPEF2 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O14830

### PPEF2 Antibody (Center) Blocking Peptide - Additional Information

**Gene ID** 5470

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

**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) 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.

### PPEF2 Antibody (Center) Blocking Peptide - Protocols

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

- Blocking Peptides

**PPEF2 Antibody (Center) Blocking Peptide - Images**

**PPEF2 Antibody (Center) Blocking Peptide - Background**

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

**PPEF2 Antibody (Center) 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)