

**PPEF1 Antibody (N-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8474a****Specification**

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**PPEF1 Antibody (N-term) Blocking Peptide - Product Information**Primary Accession [O14829](#)**PPEF1 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 5475**Other Names**

Serine/threonine-protein phosphatase with EF-hands 1, PPEF-1, Protein phosphatase with EF calcium-binding domain, PPEF, Serine/threonine-protein phosphatase 7, PP7, PPEF1, PPEF, PPP7C

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8474a](/product/products/AP8474a) was selected from the N-term region of human PPEF1. 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.

**PPEF1 Antibody (N-term) Blocking Peptide - Protein Information****Name** PPEF1**Synonyms** PPEF, PPP7C**Function**

May have a role in the recovery or adaptation response of photoreceptors. May have a role in development.

**Tissue Location**

Detected in retina and retinal derived Y-79 retinoblastoma cells. Also found in fetal brain

**PPEF1 Antibody (N-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **PPEF1 Antibody (N-term) Blocking Peptide - Images**

#### **PPEF1 Antibody (N-term) Blocking Peptide - Background**

PPEF1 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 has been suggested to play a role in specific sensory neuron function and/or development. The protein shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) protein.

#### **PPEF1 Antibody (N-term) 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). Herzig, S., et al., Physiol. Rev. 80(1):173-210 (2000). Huang, X., et al., J. Biol. Chem. 273(3):1462-1468 (1998). Sherman, P.M., et al., Proc. Natl. Acad. Sci. U.S.A. 94(21):11639-11644 (1997).