

PPEF1 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP8474a

Specification

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).