

**PPEF1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57846****Specification**

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**PPEF1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC
Primary Accession	<a href="#">O14829</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PPEF1
Epitope Specificity	301-400/653
Isotype	IgG
<b>Purity</b>	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the PPP phosphatase family. Contains 3 EF-hand domains. Contains 1 IQ domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

This gene encodes 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. This gene shares high sequence similarity with the Drosophila retinal degeneration C (rdgC) gene. Several alternatively spliced transcript variants, each encoding a distinct isoform, have been described. [provided by RefSeq, Jul 2008]

**PPEF1 Polyclonal Antibody - Additional Information****Gene ID** 5475**Other Names**

Serine/threonine-protein phosphatase with EF-hands 1, PPEF-1, 3.1.3.16, Protein phosphatase with EF calcium-binding domain, PPEF, Serine/threonine-protein phosphatase 7, PP7, PPEF1, PPEF, PPP7C

**Target/Specificity**

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

**Dilution**

IHC-P~~N/A  
IHC-F~~N/A  
IF~~1:50~200  
ICC~~N/A

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PPEF1 Polyclonal Antibody - 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.

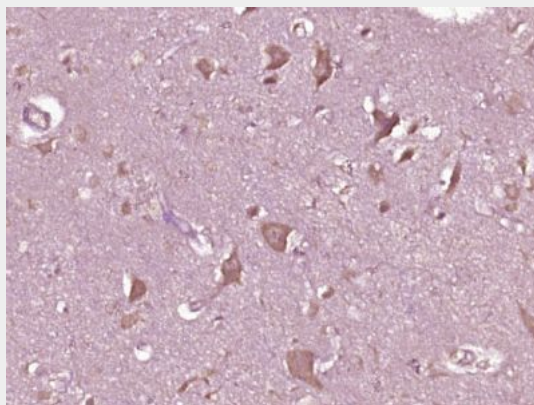
**Tissue Location**

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

**PPEF1 Polyclonal Antibody - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**PPEF1 Polyclonal Antibody - Images**

Paraformaldehyde-fixed, paraffin embedded (human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with

(PPEF1) Polyclonal Antibody, Unconjugated (bs-21055R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.