

PPEF1 Rabbit pAb

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Catalog # AP57846

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O14829
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75792
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PPEF1
Epitope Specificity	301-400/653
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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]

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
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

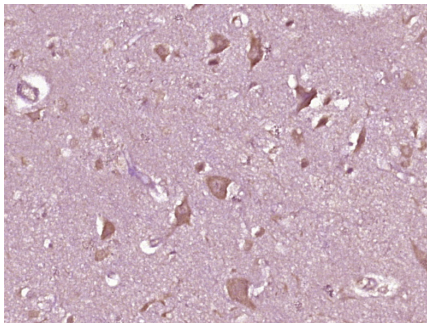
Protein Information

Name	PPEF1
Synonyms	PPEF, PPP7C
Function	Dephosphorylates and destabilises PDCD5 to inhibit TP53/p53- mediated signaling (PubMed: 28051100). May have a role in the recovery or adaptation response of photoreceptors (By similarity).
Tissue Location	Detected in retina and retinal derived Y-79 retinoblastoma cells (PubMed:9430683). Also found in fetal brain (PubMed:9430683).

Background

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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 (AP57846) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.