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

PRG2 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP5732c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q6T4P5
Other Accession	NP_079164.1
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27160
Calculated MW	76037
Antigen Region	316-344

Additional Information

Gene ID	79948
Other Names	Lipid phosphate phosphatase-related protein type 3, PAP-2-like protein 2, Plasticity-related gene 2 protein, PRG-2, LPPR3, PHP2, PRG2
Target/Specificity	This PRG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 316-344 amino acids from the Central region of human PRG2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PRG2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PLPPR3 (HGNC:23497)
Cellular Location	Membrane; Multi-pass membrane protein

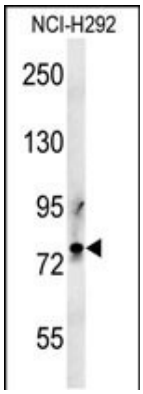
Background

The proteins in the lipid phosphate phosphatase (LPP) family, including PRG2, are integral membrane proteins that modulate bioactive lipid phosphates including phosphatidate, lysophosphatidate, and sphingosine-1-phosphate in the context of cell migration, neurite retraction, and mitogenesis (Brauer et al., 2003 [PubMed 12730698]).

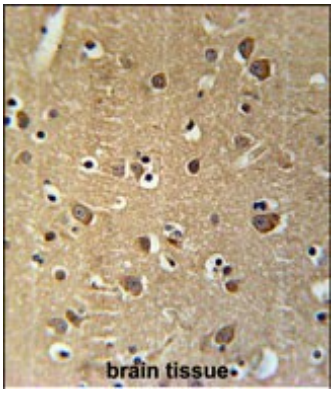
References

Brauer, A.U., et al. Nat. Neurosci. 6(6):572-578(2003)

Images



PRG2 Antibody (Center) (Cat. #AP5732c) western blot analysis in NCI-H292 cell line lysates (35ug/lane).This demonstrates the PRG2 antibody detected the PRG2 protein (arrow).



PRG2 Antibody (Center) (Cat. #AP5732c) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PRG2 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- The Axonal Membrane Protein PRG2 Inhibits PTEN and Directs Growth to Branches