

Mouse Pcp2 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6356a

Product Information

Application	IHC-P, E
Primary Accession	P12660
Reactivity	Mouse
Predicted	Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB7194
Calculated MW	13054
Antigen Region	13-41

Additional Information

Gene ID	18545
Other Names	Purkinje cell protein 2, Protein PCD-5, Purkinje cell-specific protein L7, Pcp2, Pcp-2
Target/Specificity	This Mouse Pcp2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 13-41 amino acids from the N-terminal region of mouse Pcp2.
Dilution	IHC-P~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
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	Mouse Pcp2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Pcp2
Synonyms	Pcp-2
Function	May function as a cell-type specific modulator for G protein- mediated cell

signaling.

Tissue Location

Cerebellum (Purkinje cells) and retinal bipolar neurons

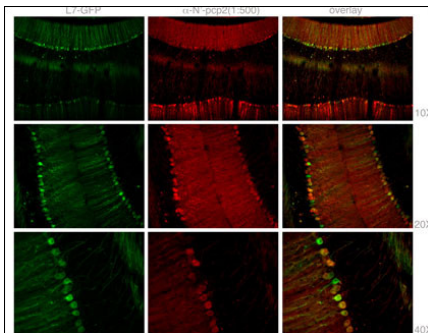
Background

Pcp2 may function as a cell-type specific modulator for G protein-mediated cell signaling. This protein exhibits tissue specificity for cerebellum (Purkinje cells) and retinal bipolar neurons.

References

Guan,J. et al. Biochem. J. 392 (PT 2), 389-397 (2005) Saito,H. et al. Biochem. Biophys. Res. Commun. 331 (4), 1216-1221 (2005) Redd,K.J. et al. J. Neurosci. Res. 70 (5), 631-637 (2002) Zhang,X. et al. Brain Res. Mol. Brain Res. 105 (1-2), 1-10 (2002) Luo,Y. et al. J. Biol. Chem. 274 (16), 10685-10688 (1999)

Images



Staining with Mouse Pcp2 Antibody (N-term) (Cat.#AP6356a) was colocalized with GFP in most of the Purkinje cells with low background in 1:500 dilution condition. Intensity of PCP2 staining was not necessarily corresponded to the intensity of GFP, and there are a few GFP positive , not stained with pcp2 antibody, cells(see middle and low panel). In dendrites and axons of Purkinje cells, most of fibers stained with PCP-2 antibodies were colocalized with GFP.

Citations

- [Neuronal classification and marker gene identification via single-cell expression profiling of brainstem vestibular neurons subserving cerebellar learning.](#)

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