

# Mouse Pcp2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP6356b

## Product Information

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|--------------------------|-----------------------------|
| <b>Application</b>       | IHC-P, E                    |
| <b>Primary Accession</b> | <a href="#">P12660</a>      |
| <b>Reactivity</b>        | Mouse                       |
| <b>Predicted</b>         | Rat, Bovine, Canine, Rabbit |
| <b>Host</b>              | Rabbit                      |
| <b>Clonality</b>         | Polyclonal                  |
| <b>Isotype</b>           | Rabbit IgG                  |
| <b>Clone Names</b>       | RB7196                      |
| <b>Calculated MW</b>     | 13054                       |
| <b>Antigen Region</b>    | 91-120                      |

## Additional Information

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|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>            | 18545                                                                                                                                                                                     |
| <b>Other Names</b>        | Purkinje cell protein 2, Protein PCD-5, Purkinje cell-specific protein L7, Pcp2, Pcp-2                                                                                                    |
| <b>Target/Specificity</b> | This Mouse Pcp2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-120 amino acids from the C-terminal region of mouse Pcp2.                 |
| <b>Dilution</b>           | IHC-P~~1:500 E~~Use at an assay dependent concentration.                                                                                                                                  |
| <b>Format</b>             | 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. |
| <b>Storage</b>            | 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.                                                   |
| <b>Precautions</b>        | Mouse Pcp2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.                                                                            |

## Protein Information

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|-----------------|-----------------------------------------------------------------------------|
| <b>Name</b>     | Pcp2                                                                        |
| <b>Synonyms</b> | Pcp-2                                                                       |
| <b>Function</b> | May function as a cell-type specific modulator for G protein- mediated cell |

signaling.

## Tissue Location

Cerebellum (Purkinje cells) and retinal bipolar neurons

## Background

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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.

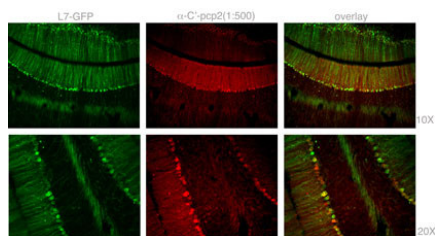
## References

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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

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Staining with Mouse Pcp2 Antibody (C-term) (Cat.#AP6356b) 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. In dendrites and axons of Purkinje cells, most of fibers stained with PCP-2 antibodies were colocalized with GFP.

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