

Recombinant Human PCP4

Catalog No: #GP10020



Package Size: #GP10020-1 100ug

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human PCP4
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from N terminal 61 amino acids of human purkinje cell protein 4
Target Name	purkinje cell protein 4
Other Names	PEP-19
Accession No.	Swissprot:P48539Gene Accession:BC013791
Uniprot	P48539
GenID	5121;
Storage	-20~-80°C, pH 7.6 PBS

Background

PCP-4 (Purkinje cell protein 4), also known as PEP-19, is a calmodulin (CaM) regulatory protein that is highly expressed in neuronal cells. Through its IQ motif, PCP-4 mediates both the calcium-dependent binding properties of CaM and the rates of association and dissociation of calcium from the C-terminal domain of CaM. The IQ motif contains a serine residue which can be phosphorylated by all isoforms of protein kinase C (PKC). PCP-4 is implicated in uterine leiomyomas, as well as in neurodegenerative disorders such as Alzheimers disease and Huntington's disease. Additionally, overexpression of PCP-4 is thought to play a role in cerebellar hypoplasia, a key feature of Down syndrome.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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