

PCP4 Antibody

Catalog No: #35549



Package Size: #35549-1 50ul #35549-2 100ul

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

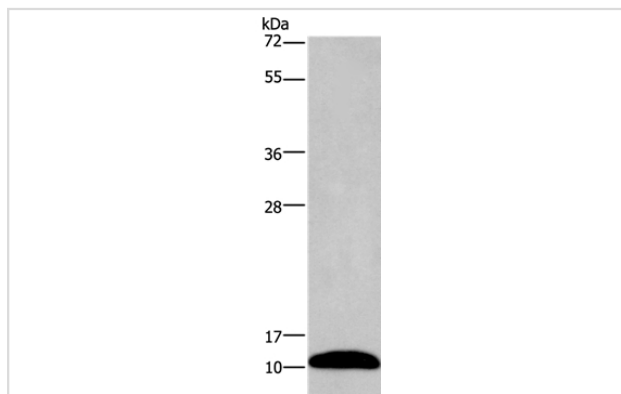
Description

Product Name	PCP4 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB,ELISA
Species Reactivity	Human, Mouse, Rat
Specificity	The antibody detects endogenous levels of total PCP4 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from internal residues of human purkinje cell protein 4
Target Name	PCP4
Other Names	PEP-19
Accession No.	Swiss-Prot#: P48539NCBI Gene ID: 5121Gene Accssion: BC013791
SDS-PAGE MW	7kd
Concentration	2.3mg/ml
Formulation	Rabbit IgG in pH7.3 PBS, 0.05% NaN ₃ , 50% Glycerol.
Storage	Store at -20°C

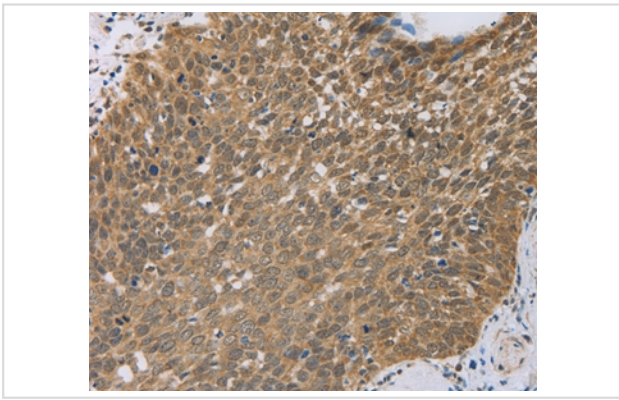
Application Details

Western blotting: 1:500-1:2000

Images



Gel: 12%SDS-PAGE
 Lysates (from left to right): Mouse brain tissue
 Amount of lysate: 40ug per lane
 Primary antibody: 1/1000 dilution
 Secondary antibody dilution: 1/8000
 Exposure time: 2 minutes



Immunohistochemical analysis of paraffin-embedded Human cervical cancer tissue using #35549 at dilution 1/50.

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 Alzheimer's 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.