

Datasheet for ABIN7130557

anti-PCP4 antibody

3 Images

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Overview

Quantity:	100 µL
Target:	PCP4
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PCP4 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Fusion protein of Human PCP4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Antigen affinity purification

Target Details

Target:	PCP4
Alternative Name:	PCP4 (PCP4 Products)
Background:	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

Target Details

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.

Aliases: Brain specific antigen PCP 4 antibody, Brain specific polypeptide PEP 19 antibody, Brain specific polypeptide PEP19 antibody, Brain-specific antigen PCP-4 antibody, Brain-specific polypeptide PEP-19 antibody, OTTHUMP00000109191 antibody, Pcp4 antibody, PCP4_HUMAN antibody, PEP19 antibody, Purkinje cell protein 4 antibody

UniProt: [P48539](#)

Application Details

Application Notes: ELISA:1:2000-1:10000, WB:1:500-1:2000, IHC:1:5-1:20,

Restrictions: For Research Use only

Handling

Format: Liquid

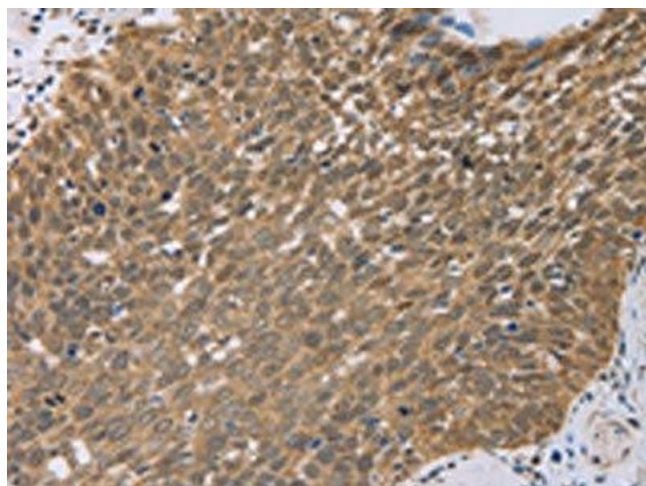
Buffer: -20 °C, pH 7.4 PBS, 0.05 % Sodium azide, 40 % Glycerol

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

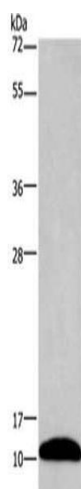
Storage: -20 °C, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



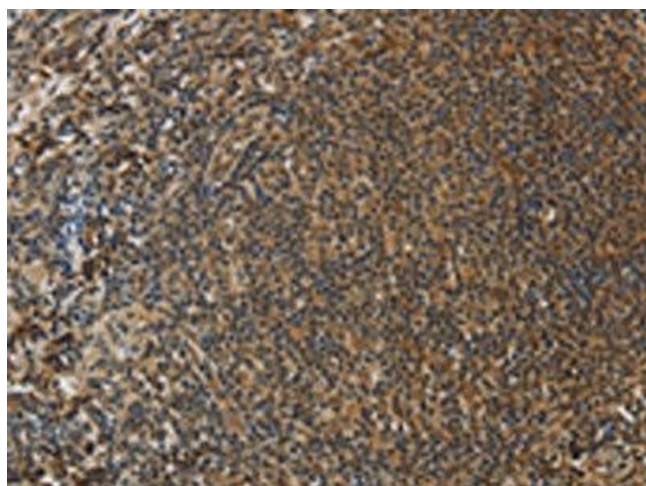
Immunohistochemistry

Image 1. The image on the left is immunohistochemistry of paraffin-embedded Human cervical cancer tissue using ABIN7130557(PCP4 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: x200)



Western Blotting

Image 2. Gel: 12 % SDS-PAGE, Lysate: 40 µg, Lane: Mouse brain tissue, Primary antibody: ABIN7130557(PCP4 Antibody) at dilution 1/1000, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 2 minutes



Immunohistochemistry

Image 3. The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using ABIN7130557(PCP4 Antibody) at dilution 1/50, on the right is treated with fusion protein. (Original magnification: x200)