# PCP4 Polyclonal Antibody

**Catalog No.** E-AB-10016

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

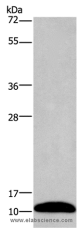
## Description

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|---|---|
| **Reactivity** | Human,Mouse,Rat |
| **Immunogen** | Recombinant protein of human PCP4 |
| **Host** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Affinity purification |
| **Conjugation** | Unconjugated |
| **Buffer** | PBS with 0.05% sodium azide and 50% glycerol, PH7.4 |

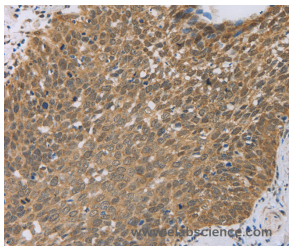
## Applications — Recommended Dilution

**WB 1:500-1:2000,**
**IHC 1:100-1:300**

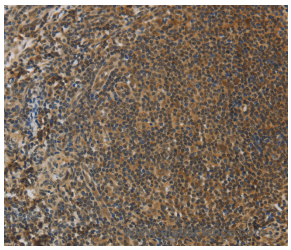
## Data




Western Blot analysis of Mouse brain tissue using PCP4 Polyclonal Antibody at dilution of 1:1000
**Calculated Mw:7kDa**



Immunohistochemistry of paraffin-embedded Human cervical cancer using PCP4 Polyclonal Antibody at dilution of 1:50



Immunohistochemistry of paraffin-embedded Human tonsil using PCP4 Polyclonal Antibody at dilution of 1:50

## Preparation & Storage

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|---|---|
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. |

## Background



Toll-free: 1-888-852-8623
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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.



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