

Anti-PCP4 Antibody

CATALOG NO.: A1703-100

BACKGROUND DESCRIPTION: 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.

ALTERNATE NAMES: Brain specific antigen PCP 4, Brain specific polypeptide PEP 19, Brain specific polypeptide PEP19, Brain-specific antigen PCP-4, Brain-specific polypeptide PEP-19.

AMOUNT: 100 µl.

HOST/ISOTYPE: Rabbit / IgG.

IMMUNOGEN: Recombinant protein of human PCP4.

PURIFICATION: Affinity purified.

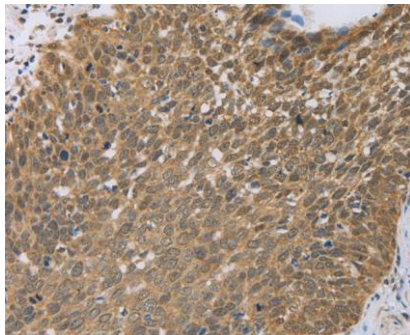
FORM: Liquid.

FORMULATION: In PBS with 0.05% sodium azide, 50% glycerol, pH 7.3

SPECIES REACTIVITY: Rat.
Mouse.
Human.

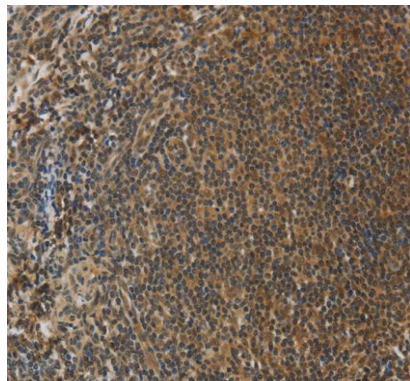
STORAGE CONDITIONS: Store at -20°C; For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

APPLICATIONS AND USAGE: Immunohistochemistry (IHC). 1:100-1:300
Western Blotting. 1:500-1:2000

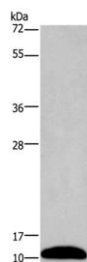


IHC staining of Human cervical cancer using PCP4 Polyclonal Antibody.

FOR RESEARCH USE ONLY!



IHC staining of Human tonsil using PCP4 Polyclonal Antibody.



Western Blot analysis of Mouse brain tissue using PCP4 Polyclonal Antibody.

RELATED PRODUCTS:

- Phospho GAP43 (Ser41) Antibody (A1220).
- Cystathionine β -Synthase Antibody (A1112).
- Anti-AFP Antibody (1D9H5) (A1353).
- Phospho Alpha-synuclein (Tyr125) Antibody (A1219).

FOR RESEARCH USE ONLY! Not to be used on humans.