PCP4 Polyclonal Antibody

Catalog:	BS65683	Host:	Rabbit	Reactivity:	Human,Mouse,Rat,Cow,Sheep,

BackGround:

PCP-4 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.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

7kD

Swiss-Prot:

P48539

Purification&Purity:

affinity purified by Protein A

Applications:

IHC-P=1:100-500

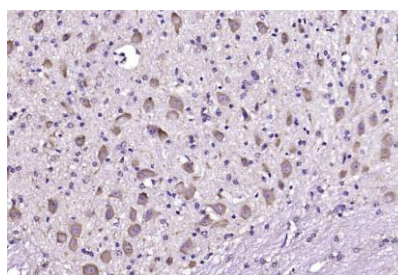## Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

PCP4 Polyclonal Antibody detects endogenous levels of PCP4 protein.

DATA:

Paraformaldehyde-fixed, paraffin embedded (mouse cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37℃ for 30min; Antibody incubation with (PCP4) Polyclonal Antibody, Unconjugated   at 1:200 overnight at 4℃

Note:

For research use only, not for use in diagnostic procedure.