

CABP Polyclonal Antibody

Description

| | |
|--------------------------------|--|
| Product type | Primary Antibody |
| Code | BT-AP06991 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | Synthetic Peptide of CABP |
| Mol wt | N/A |
| Species reactivity | Rat, Mouse |
| Clonality | Polyclonal |
| Recommended application | WB, IHC-p, IF |
| Concentration | 1 mg/ml |
| Full name | Calcium-binding protein 1 |
| Synonyms | Calcium-binding protein 1 ;CaBP1;Calbrain;Caldendrin; Calcium-binding protein 1; CaBP1; Calbrain; Caldendrin |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Calcium binding proteins are an important component of calcium mediated cellular signal transduction. This gene encodes a protein that belongs to a subfamily of calcium binding proteins which share similarity to calmodulin. The protein encoded by this gene regulates the gating of voltage-gated calcium ion channels. This protein inhibits calcium-dependent inactivation and supports calcium-dependent facilitation of ion channels containing voltage-dependent L-type calcium channel subunit alpha-1C. This protein also regulates calcium-dependent activity of inositol 1,4,5-triphosphate receptors, P/Q-type voltage-gated calcium channels, and transient receptor potential channel TRPC5. This gene is predominantly expressed in retina and brain. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Recommended Dilution

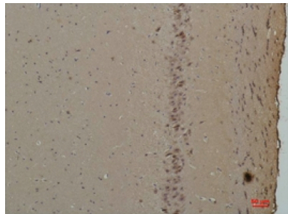
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

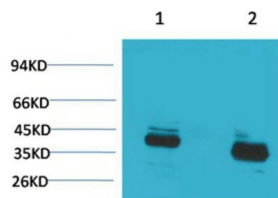
ELISA: 1: 40000

Not yet tested in other applications.

Images



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CABP Rabbit pAb diluted at 1:200.



Western blot analysis of 1) Mouse Brain Tissue, 2) Rat Brain Tissue with CABP Rabbit pAb diluted at 1:2,000.

Storage

-20°C for 1 year

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