

CAC1A Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06997
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 1401-1450
Mol wt	N/A
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IHC-p, IF
Concentration	1 mg/ml
Full name	Voltage-dependent P/Q-type calcium channel subunit alpha-1A
Synonyms	Voltage-dependent P/Q-type calcium channel subunit alpha-1A ;Brain calcium channel I;BI;Calcium channel, L type, alpha-1 polypeptide isoform 4;Voltage-gated calcium channel subunit alpha Cav2.1

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

Background

Voltage-dependent calcium channels mediate the entry of calcium ions into excitable cells, and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, and gene expression. Calcium channels are multisubunit complexes composed of alpha-1, beta, alpha-2/delta, and gamma subunits. The channel activity is directed by the pore-forming alpha-1 subunit, whereas, the others act as auxiliary subunits regulating this activity. The distinctive properties of the calcium channel types are related primarily to the expression of a variety of alpha-1 isoforms, alpha-1A, B, C, D, E, and S. This gene encodes the alpha-1A subunit, which is predominantly expressed in neuronal tissue. Mutations in this gene are associated with 2 neurologic disorders, familial hemiplegic migraine and episodic ataxia 2. This gene also exhibits

Recommended Dilution

IHC-p: 1: 50 - 1: 300

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year