



Cav2.2 rabbit pAb

Cat No.:ES20796

For research use only

Overview

Product Name	Cav2.2 rabbit pAb
Host species	Rabbit
Applications	IHC;IF
Species Cross-Reactivity	Human;Rat;Mouse
Recommended dilutions	IHC 1:50-100
Immunogen	Synthetic Peptide of Cav2.2 AA range: 230-310
Specificity	Cav2.2 protein(A205) detects endogenous levels of Cav2.2
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Voltage-dependent N-type calcium channel subunit alpha-1B (Brain calcium channel III) (BIII) (Calcium channel, L type, alpha-1 polypeptide isoform 5) (Voltage-gated calcium channel subunit alpha Cav2.2)
Gene Name	CACNA1B
Cellular localization	Membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	263kD
Human Gene ID	774
Human Swiss-Prot Number	Q00975
Alternative Names	Voltage-dependent N-type calcium channel subunit alpha-1B (Brain calcium channel III;BIII;Calcium channel, L type, alpha-1 polypeptide isoform 5;Voltage-gated calcium channel subunit alpha Cav2.2)
Background	calcium voltage-gated channel subunit alpha1 B(CACNA1B) Homo sapiens The protein encoded by this gene is the pore-forming subunit of





an N-type voltage-dependent calcium channel, which controls neurotransmitter release from neurons. The encoded protein forms a complex with alpha-2, beta, and delta subunits to form the high-voltage activated channel. This channel is sensitive to omega-conotoxin-GVIA and omega-agatoxin-IIIa but insensitive to dihydropyridines. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2011],

Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using Cav2.2Rabbit pAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using Cav2.2Rabbit pAb diluted at 1:200.

