

Product datasheet for TA309309

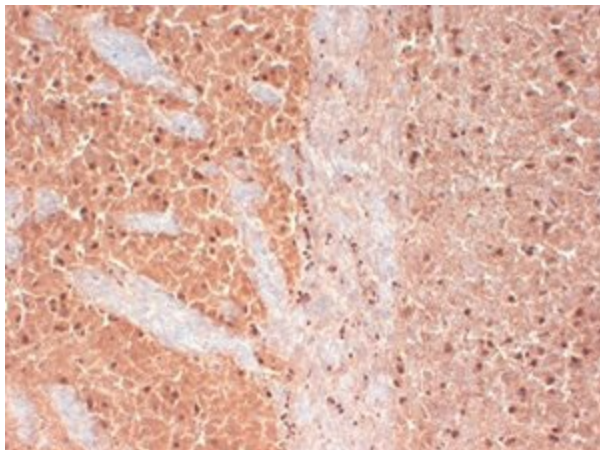
CACNA1H Mouse Monoclonal Antibody [Clone ID: S55-10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S55-10
Applications:	IHC
Recommend Dilution:	WB, IP, ICC
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Fusion protein amino acids 1019-1293 (II-III loop) of human Cav3.2, accession number O95180
Formulation:	PBS pH7.4, 50% glycerol
Gene Name:	calcium voltage-gated channel subunit alpha1 H
Database Link:	NP_001005407 Entrez Gene 8912 Human
Background:	This gene encodes a T-type member of the alpha-1 subunit family, a protein in the voltage-dependent calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. The alpha-1 subunit has 24 transmembrane segments and forms the pore through which ions pass into the cell. There are multiple isoforms of each of the proteins in the complex, either encoded by different genes or the result of alternative splicing of transcripts. Alternate transcriptional splice variants, encoding different isoforms, have been characterized for the gene described here. Studies suggest certain mutations in this gene lead to childhood absence epilepsy (CAE). [provided by RefSeq]
Synonyms:	CACNA1HB; Cav3.2; ECA6; EIG6; HALD4
Protein Families:	Druggable Genome, Ion Channels: Calcium, Transmembrane
Protein Pathways:	Calcium signaling pathway, MAPK signaling pathway



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Product images:

IHC analysis of Cav3.2 in frozen sections of mouse brain extract using TA309309.