

Product datasheet for **TA349119**

CACNA1H Rabbit Polyclonal Antibody

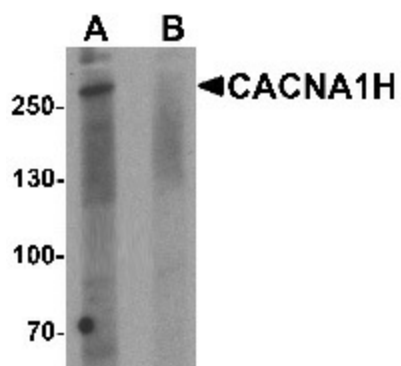
Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	CACNA1H antibody was raised against a 16 amino acid peptide near the center of human CACNA1H.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	CACNA1H antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 259 kDa; Observed: 260 kDa
Gene Name:	calcium voltage-gated channel subunit alpha1 H
Database Link:	NP_066921 Entrez Gene 8912 Human O95180
Background:	The calcium channel protein CACNA1H is a T-type member of the alpha-1 subunit family that is part of the voltage-dependent calcium channel complex which mediates the influx of calcium ions into the cell upon membrane polarization (1,2). CACNA1H is a subunit of Cav3.2 T-type calcium channel that is involved in neurological disorders such as epilepsy and pain (2,3). CACNA1H associates with the caveolin protein Cav-3 and it is thought that Cav-3 regulates the Protein Kinase A (PKA) modulation of CACNA1H-containing Cav3.2 T-type calcium channels (4).
Synonyms:	CACNA1HB; Cav3.2; ECA6; EIG6; HALD4

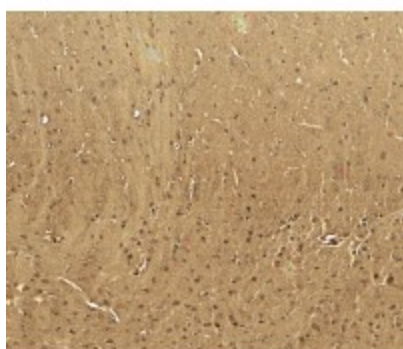


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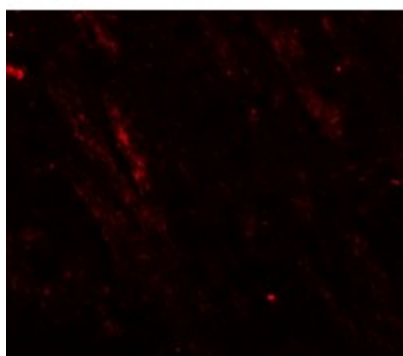
Product images:



Western blot analysis of CACNA1H in 293 cell lysate with CACNA1H antibody at 1 ug/mL in (A) the absence and (B) the presence of blocking peptide.



Immunohistochemistry of CACNA1H in mouse brain tissue with CACNA1H antibody at 5 ug/mL.



Immunofluorescence of CACNA1H in mouse brain tissue with CACNA1H antibody at 20 ug/mL.