www.antibodiesinc.com
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PRODUCT DATASHEET

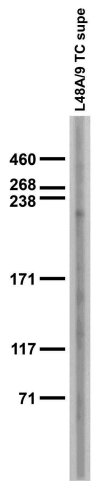
Anti-Cav1.3 Ca2+ Channel Antibody

Product Details

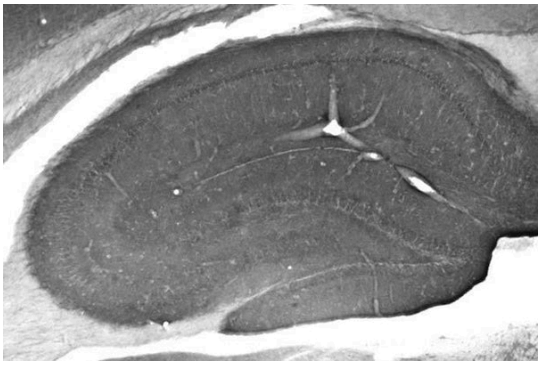
Available Variants	100 µL (SKU:75-113)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	L48A/9
Gene Name	Cacna1d Cach3 Cacn4 Cacnl1a2 Cchl1a2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.41
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Species Reactivity	Human, Mouse, Rabbit, Rat
Immunogen	Synthetic peptide amino acids 859-875 (N-terminus) of rat Cav1.3 (accession number P27732)
Specificity	No cross-reactivity against Cav1.2
Molecular Weight	250 kDa
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2069388
UniProt ID	P27732 UniProt Summary: Voltage-sensitive calcium channels (VSCC) 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, gene expression, cell motility, cell division and cell death. The isoform alpha-1D gives rise to L-type calcium currents. Long-lasting (L-type) calcium channels belong to the 'high-voltage activated' (HVA) group. They are blocked by dihydropyridines (DHP), phenylalkylamines, and by benzothiazepines.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	776

Product Images



Adult rat brain membrane immunoblot.



Adult rat hippocampus immunohistochemistry.