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PRODUCT DATASHEET

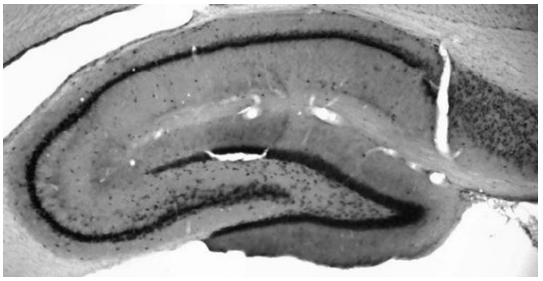
Anti-Cav1.2 Ca2+ Channel Antibody

Product Details

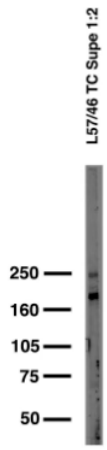
Available Variants	100 µL (SKU:75-053)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	L57/46
Gene Name	CACNA1C CACH2 CACN2 CACNL1A1 CCHL1A1
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
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, IP, WB
Dilution Ranges	WB: 1:1000 IHC: 1:100 ICC: 1:100
Species Reactivity	Guinea, Guinea Pig, Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1507-1733 (intracellular carboxyl terminus) of rabbit Cav1.2 (accession number P15381) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	240 kDa (varies with cell background due to glycosylation)

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_10673150
UniProt ID	P15381
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.

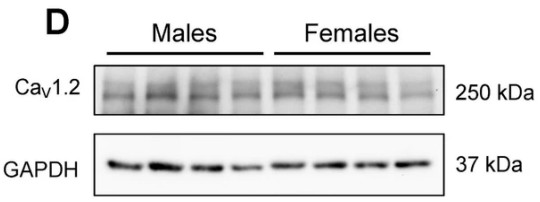
Product Images



Adult rat hippocampus immunohistochemistry.



Adult rat brain membrane immunoblot.



Western blot showing CaV1.2 protein expression is similar in the atria of male and female mice. Image from publication CC-BY-4.0. PMID:36142639