www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

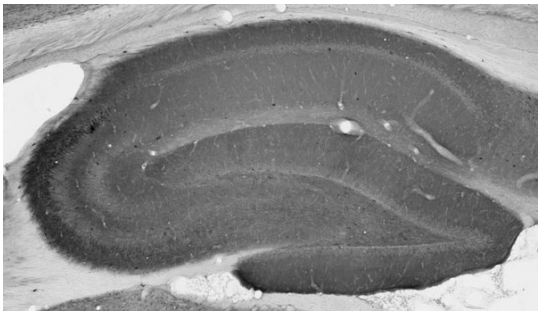
Anti-Cavbeta1 Ca2+ Channel Antibody

Product Details

Available Variants	100 µL (SKU:75-052)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	N7/18
Gene Name	CACNB1 CACNLB1
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: 1:2000 ICC: 1:2000
Species Reactivity	Human, Mouse, Non-Human Primate, Rat
Immunogen	Synthetic peptide amino acids 19-34 of human Cav1 (PMEVFDPSPQGKYSKR; accession number NP_059042)
Specificity	Does not cross-react with Cavβ2, Cavβ3, Cavβ4
Molecular Weight	80, 55 kDa

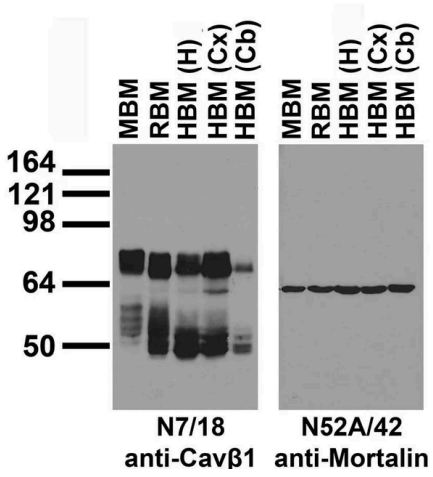
Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2243972
UniProt ID	Q02641
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 whole brain immunohistochemistry.



Immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with N7/18 (left) or N52A/42 (right) TC supe.