

Anti-Cavbeta4 Ca²⁺ Channel Antibody

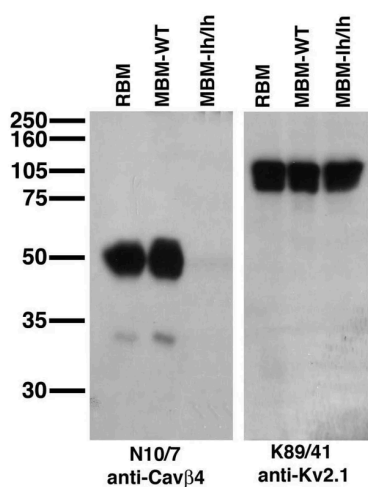


Product Details

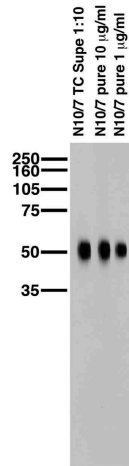
Available Variants	100 µL (SKU:75-054)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N10/7
Gene Name	Cacnb4 Cacnlb4
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
Production Notes	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: 1:500 IHC: 1:500 ICC: 1:500
Species Reactivity	Human, Mouse, Pig, Rat
Immunogen	Synthetic peptide amino acids 458-474 of rat Cav4 (DENYHNERARKSRNRLS; accession number D4A055)
Specificity	No cross-reactivity against rat Cavβ1b, Cavβ2a, and Cavβ3 in transfected cells
Molecular Weight	50 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 $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Antibody Registry ID	AB_2069776
UniProt ID	D4A055
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.

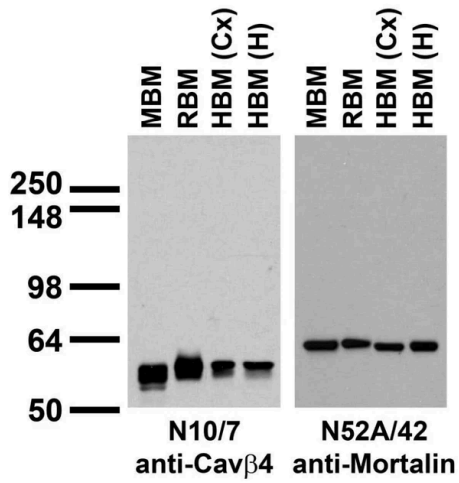
Product Images



Immunoblot on adult rat brain membrane (RBM), and adult mouse brain membranes (MBM) from wild-type (WT) and lethargic (lh/lh) mice (left) Lethargic mice courtesy of Dr. Jeff Noebels, Baylor College of Medicine.



Adult rat brain membrane immunoblot.



Immunoblots on brain membranes prepared from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].

Product Page URL: www.antibodiesinc.com/products/anti-cavbeta4-ca2-channel-antibody-n10-7-75-054



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