

Anti-Kv4.2 Potassium Channel Antibody

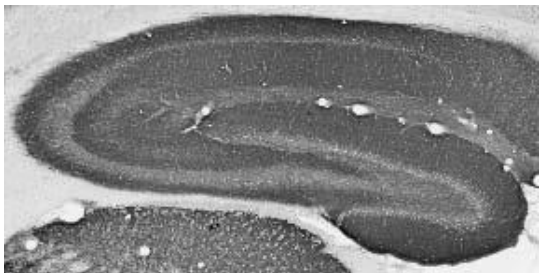


Product Details

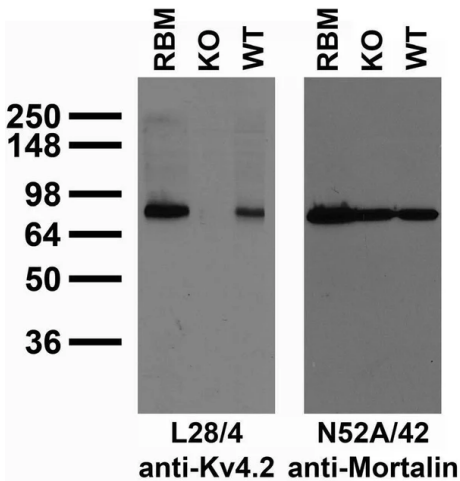
Available Variants	100 µL (SKU:75-361)
Conjugate	Unconjugated
Isotype	IgG1
Clone	L28/4
Gene Name	Kcnd2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
Production Notes	Produced 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
Dilution Ranges	WB: 1:500 IHC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 471-630 (cytoplasmic C-terminus) of rat Kv4.2 (accession number Q63881) produced recombinantly in E. Coli
Specificity	Does not cross-react with Kv4.3 (based on KO validation results)
Molecular Weight	70 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_2315874
UniProt ID	<u>Q63881</u>
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.

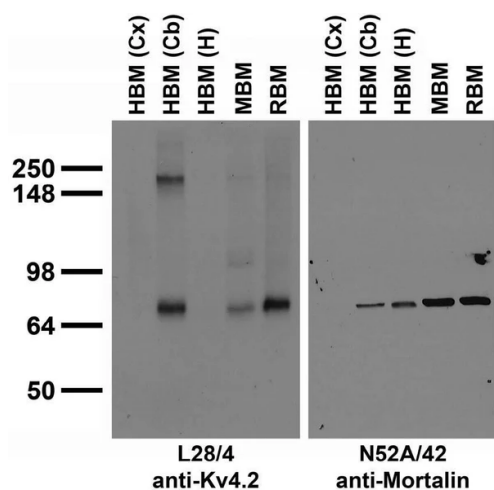
Product Images



Adult rat hippocampus immunohistochemistry.



Immunoblot against crude brain membranes from adult rat (RBM) and wild-type (WT) and Kv4.2 knockout (KO) mice probed with L28/4 (left) or N52A/42 (right) TC supe.



Immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebellum [HBM(Cb)] or cerebral cortex [HBM(Cx)] and probed with L28/4 (left) or N52A/42 (right) TC supe.

Product Page URL: www.antibodiesinc.com/products/anti-kv4-2-potassium-channel-antibody-l28-4-75-361



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