

Anti-Kv2.2 Potassium Channel Antibody

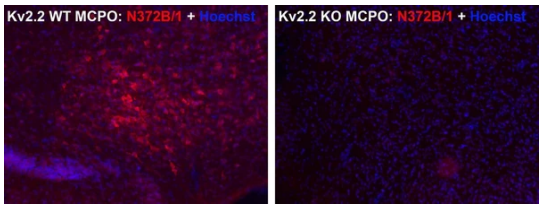


Product Details

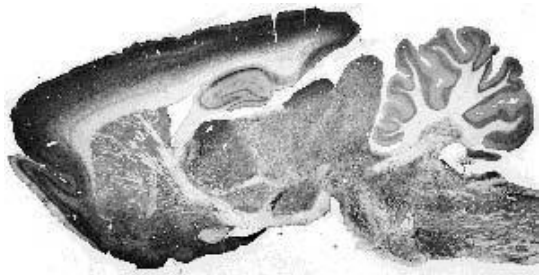
Available Variants	100 µL (SKU:75-369)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N372B/1
Gene Name	Kcnb2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.125
Production Notes	Produced 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
Species Reactivity	Ferret, Human, Mouse, Non-Human Primate, Rat
Immunogen	Fusion protein amino acids 717-907 (cytoplasmic C-terminus) of rat Kv2.2 long isoform (accession number Q63099) produced recombinantly in E. Coli
Specificity	Does not cross-react with Kv2.2 short isoformDoes not cross-react with Kv2.1
Molecular Weight	120 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_2315870
UniProt ID	<u>Q63099</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.

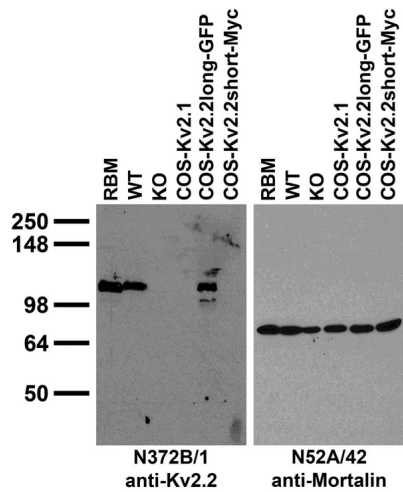
Product Images



Immunofluorescence staining of adult wild-type (WT) and Kv2.2 knockout (KO) mouse magnocellular preoptic nucleus (MCPO) with N372B/1 (red) and Hoechst nuclear stain (blue).



Adult rat whole brain immunohistochemistry.



Immunoblot against extracts of COS cells transiently transfected with GFP-tagged Kv2.2long, Myc-tagged Kv2.2short or untagged Kv2.1 plasmid; and adult brain membranes from rat (RBM), Kv2.2 wild-type (WT) and knockout (KO) mice probed with N372B/1 (left) or N52A/42 (right) TC supe.

Product Page URL: www.antibodiesinc.com/products/anti-kv2-2-potassium-channel-antibody-n372b-1-75-369



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