

Anti-Kv1.2 K⁺ Channel Antibody

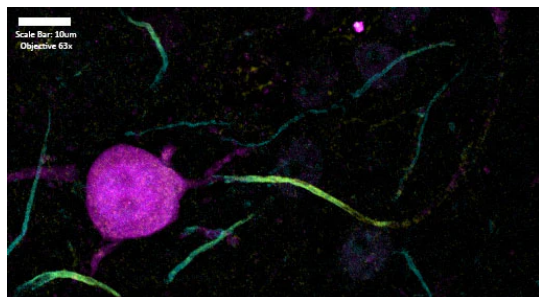


Product Details

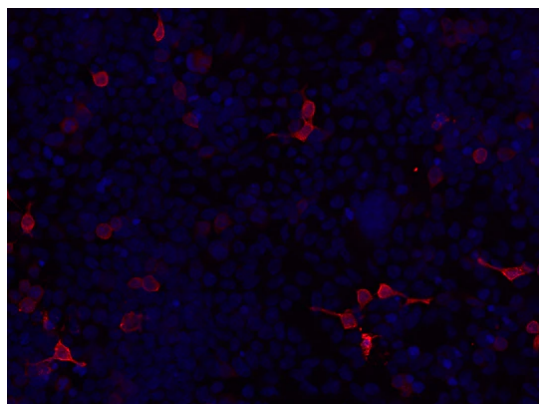
Available Variants	100 µL (SKU:75-008) 20 µL (SKU:75-008-020)
Conjugate	Unconjugated
Isotype	IgG2b
Clone	K14/16
Gene Name	KCNA2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
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: 1:250 ICC: 1:250
Species Reactivity	Gerbil, Human, Mouse, Non-Human Primate, Rat, Xenopus, Zebrafish
Immunogen	Fusion protein amino acids 428-499 (cytoplasmic C-terminus) of human Kv1.2 (accession number P63142) produced recombinantly in E. Coli
Specificity	No cross-reactivity against Kv1.1, Kv1.3, Kv1.4, Kv1.5 and Kv1.6 expressed in transfected cells
Molecular Weight	80 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_2296313
UniProt ID	P16389
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.

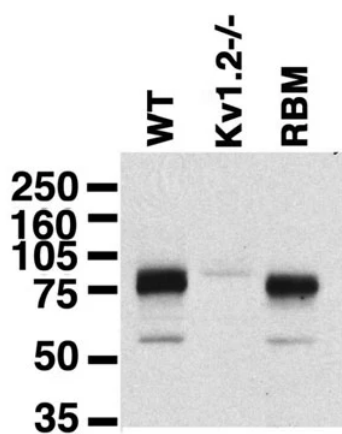
Product Images



Immunolabeling of postnatal 14 mouse CA3 (Axonal Initial Segment, Parvalbumin positive interneuron) labeling Kv1.2 (75-008, 1:200, yellow) Parvalbumin (magenta), and Ankyrin G (cyan). Mice were transcardially perfused with cold 4% PFA in PBS, then brain removed and postfixed overnight. 50 μm slices as floating sections, antigen retrieval performed with sodium citrate at 80°C for 30 min. before immunolabeling. Images from J. Ramirez-Franco and O. El Far, Aix-Marseille Université and INSERM.



Immunolabeling of permeabilized HEK293 cells specifically labeling intracellular Kv1.2 (Cat. 75-008, 1:200, red) and DAPI labelling DNA (blue). Images kindly provided by Ivan Talucci and Maric Hans, Rudolf Virchow Center for Integrative and Translational Bioimaging.



Immunoblot on brain membranes from wild-type (WT) and Kv1.2 knockout (Kv1.2^{-/-}) mice and from adult rat brain (RBM).

Product Page URL: www.antibodiesinc.com/products/anti-kv1-2-k-channel-antibody-k14-16-75-008



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