

Anti-Kv2.1 K⁺ Channel Antibody

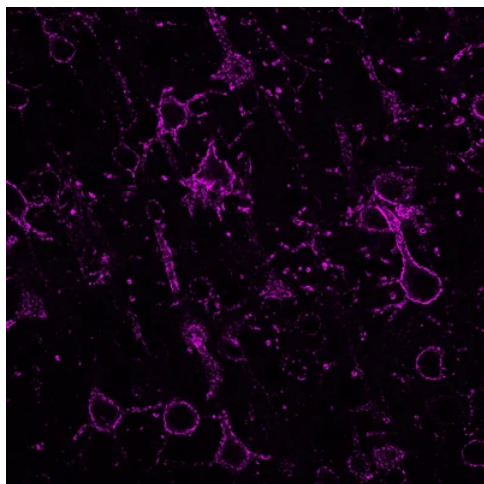


Product Details

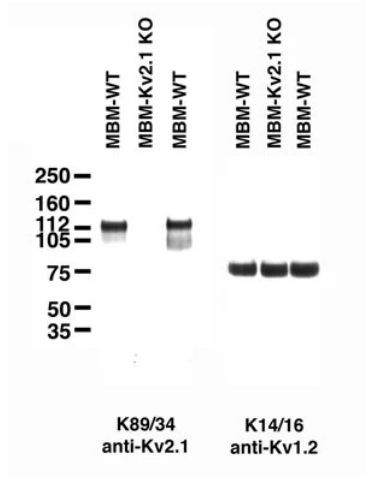
Available Variants	100 µL (SKU:75-014) 20 µL (SKU:75-014-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	K89/34
Gene Name	Kcnb1
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
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: 1:500 ICC: 1:250
Species Reactivity	Hamster, Human, Mouse, Rat
Immunogen	Synthetic peptide amino acids 837-853 (HMLPGGGAHGSTRDQSI, cytoplasmic Cterminus) of rat Kv2.1 (accession number P15387)
Specificity	No cross-reactivity against rat Kv2.2
Molecular Weight	105-125 kDa (varies with cell background due to phosphorylation)

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_10673392
UniProt ID	P15387
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.

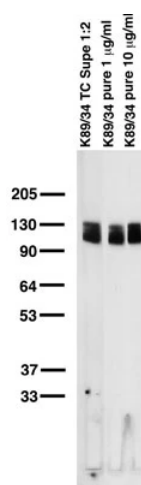
Product Images



Immunolabeling of principal neurons in the mouse neocortex specifically labeling Kv2.1 channels (1:500). The image is from a CLSM stack, pixel size is 100 nm. The image is kindly provided by Csaba Cserep, Institute of Experimental Medicine, Budapest, Hungary.



Immunoblot on adult mouse brain membranes from two wild-type mice (MBM-WT) and one Kv2.1 knockout (MBM-Kv2.1-KO) mouse. Samples courtesy of Dr. Jeanne Nerbonne, Washington University School of Medicine.



Adult rat brain membrane immunoblot.

Product Page URL: www.antibodiesinc.com/products/anti-kv2-1-k-channel-antibody-k89-34-75-014



Created on 10. September 2026 | All information without guarantee