

Anti-Kv2.1 K⁺ Channel (External) Antibody

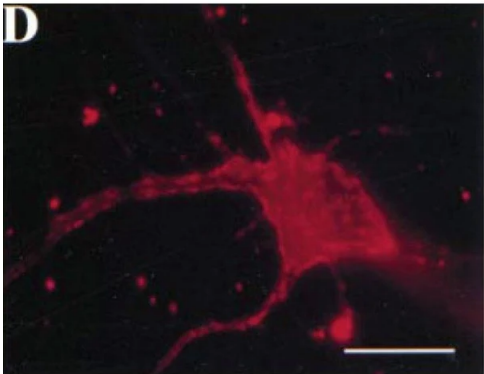


Product Details

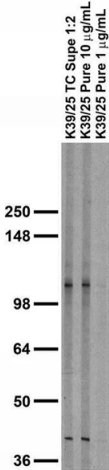
Available Variants	100 µL (SKU:75-159)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	K39/25
Gene Name	KCNB1
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.85
Production Notes	Produced 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	Human, Mouse, Rat, Snail
Immunogen	Synthetic peptide amino acids 211-229 (LPELQSLDEFGQSTDNPQL, extracellular S1-S2 loop) of rat Kv2.1 (accession number NP_037318)
Specificity	No cross-reactivity reported
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_2131649
UniProt ID	<u>Q14721</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



Surface immunofluorescence (no detergent permeabilization) of cultured rat hippocampal neuron transfected with HA-tagged Kv2.1 plasmid. Red = K39/25. Scale bar = 20 μm . Reproduced from 2000 Lim et al Neuron (PMID 10719893).



Adult rat brain membrane immunoblot

Product Page URL: www.antibodiesinc.com/products/anti-kv2-1-k-channel-external-antibody-k39-25-75-159



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