

Anti-Kv2.2 K⁺ Channel Antibody

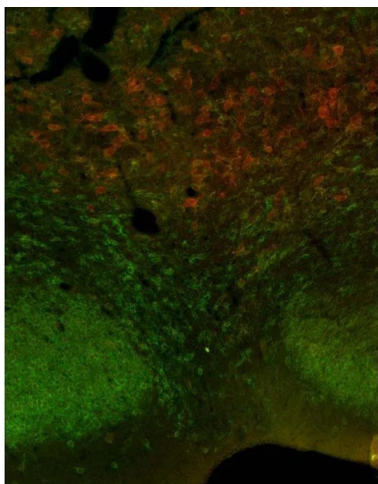


Product Details

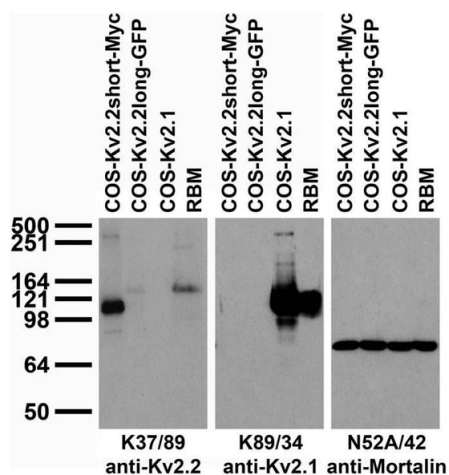
Available Variants	100 µL (SKU:75-015)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	K37/89
Gene Name	KCNB2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
Production Notes	Produced 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: 1:500
Species Reactivity	Human, Mouse, Rabbit, Rat
Immunogen	Fusion protein amino acids 1-61 of rat Kv2.2 (accession number Q63099) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	125 kDa

Quality Control	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
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_2131665
UniProt ID	<u>Q92953</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.

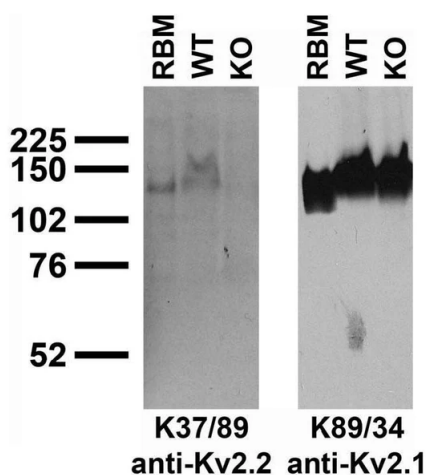
Product Images



Adult rat basal forebrain immunofluorescence with antigen retrieval via sodium citrate pretreatment with K37/89 (red) and Kv2.1 rabbit (green). Image courtesy of Kaori Misonou and Hiroaki Misonou (University of Maryland, now at Doshisha University, Japan).



Immunoblot against adult rat brain membranes (RBM) and extracts of COS cells transiently transfected with Myc-tagged Kv2.2short, GFP-tagged Kv2.2long or untagged Kv2.1 plasmid probed with K37/89 (left), K89/34 (middle) or N52A/42 (right) TC supe.



Immunoblot against adult rat brain membranes (RBM) and membranes from Kv2.2 wild-type (WT) and knockout (KO) mice probed with K37/89 (left) or K89/34 TC supe. Mouse brains courtesy of Amy Huntley and Jeanne Nerbonne (Washington University).

