

Anti-Kv1.5 K⁺ Channel Antibody

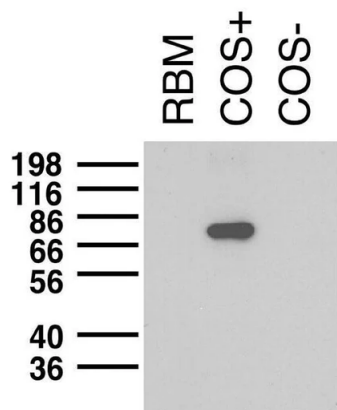


Product Details

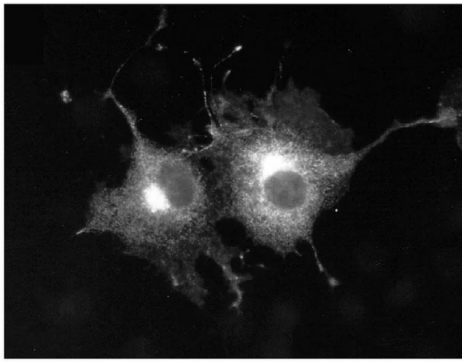
Available Variants	100 µL (SKU:75-011)
Conjugate	Unconjugated
Isotype	IgG1
Clone	K7/45
Gene Name	Kcna5
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
Production Notes	Produced 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: 1:500 IHC: 1:2000 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 542-602 (cytoplasmic C-terminus) of rat Kv1.5 (accession number P19024) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	70 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_2131324
UniProt ID	<u>P19024</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.

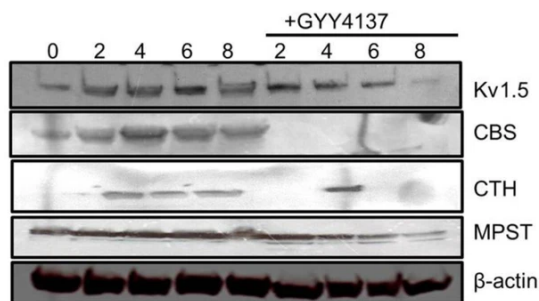
Product Images



Immunoblot on adult rat brain membrane (RBM) and lysates from Kv1.5-transfected (COS+) and untransfected (COS-) COS cells.



Immunofluorescence staining transiently Kv1.5-transfected COS cells.



Representative western blots for native IKur/Kv1.5, and H2S producing enzymes CBS, CTH and MPST at different pacing time periods (2–8 hr) in the absence of GYY4137 (a H2S donor) or with incubation with GYY4137 (horizontal line), compared to control unstimulated conditions (0 h) in HL-1 cells. β-actin was used as loading control in all western blots. Image from publication CC-BY-4.0. [PMID:37336943](https://pubmed.ncbi.nlm.nih.gov/37336943/)

Product Page URL: www.antibodiesinc.com/products/anti-kv1-5-k-channel-antibody-k7-45-75-011



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