

Anti-Kv7.1/KCNQ1 K⁺ Channel Antibody

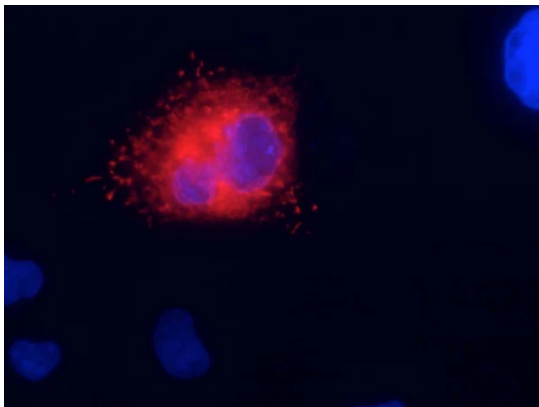


Product Details

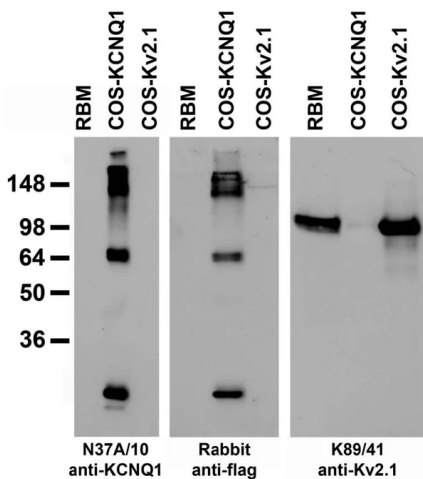
Available Variants	100 µL (SKU:75-081)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N37A/10
Gene Name	KCNQ1 KCNA8 KCNA9 KVLQT1
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.11
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: 1:100 ICC: 1:100
Species Reactivity	Hamster, Human, Mouse, Rabbit, Rat, Xenopus
Immunogen	Fusion protein amino acids 2-101 of human KCNQ1(accession number P51787) produced recombinantly in E. Coli
Specificity	No cross-reactivity reported
Molecular Weight	75 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_2131682
UniProt ID	P51787
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



Transfected cell immunofluorescence: COS-1 cells expressing KCNQ1. Red = N37A/10, Blue = Hoechst nuclear stain.



Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM (left lane) and COS-1 cells transiently transfected with flag-tagged KCNQ1 (middle lane) or Kv2.1 (right lane) plasmids and probed with pure N37A/10 (left panel), rabbit anti-flag (middle panel) or K89/41 TC supe (right panel).

Product Page URL: www.antibodiesinc.com/products/anti-kv7-1-kcnq1-k-channel-antibody-n37a-10-75-081



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