

Anti-Kv4.3 K⁺ Channel Antibody

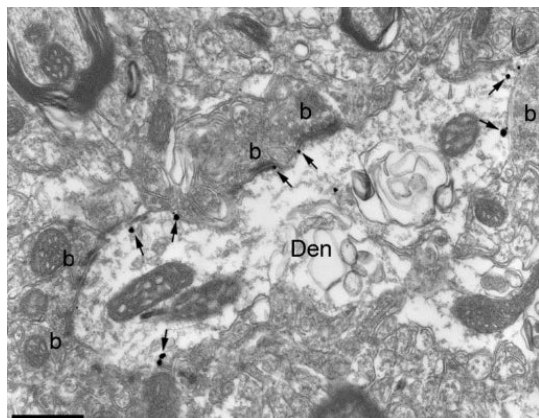


Product Details

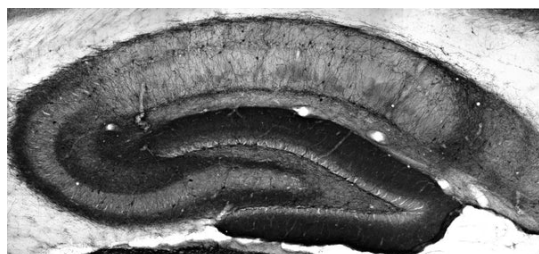
Available Variants	100 µL (SKU:75-017)
Conjugate	Unconjugated
Isotype	IgG1
Clone	K75/41
Gene Name	Kcnd3
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
Production Notes	Produced 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: 1:100
Species Reactivity	Drosophila, Guinea Pig, Human, Mouse, Rabbit, Rat, Xenopus
Immunogen	Fusion protein amino acids 415-636 (cytoplasmic C- terminus) of rat Kv4.3 (accession number Q62897) produced recombinantly in E. Coli
Specificity	No cross-reactivity against rat Kv4.2 expressed in transfected cells.
Molecular Weight	75 kDa in rat brain membrane preparations

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_2131966
UniProt ID	Q62897
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.

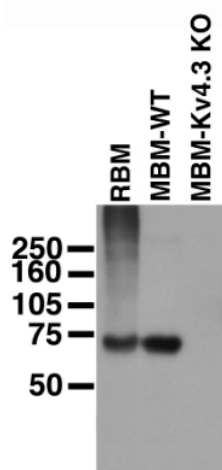
Product Images



Electron micrograph shows K75/41 immunolabelling in the hippocampus using a pre-embedding immunogold method. Immunogold particles (arrows) were observed along the extrasynaptic plasma membrane of dendritic shafts (Den) of interneurons establishing synaptic contacts with excitatory axon terminals (b). Scale bar = 500 nm. Courtesy Dr. Rafael Lujan (Universidad de Castilla-La Mancha).



Adult rat hippocampus immunohistochemistry.



Immunoblot on adult rat brain membranes (RBM), and adult mouse brain membranes from wild-type (MBM-WT) and Kv4.3 knockout (MBM-Kv4.3-KO) mice. MBM samples courtesy of Dr. Jeanne Nerbonne, Washington University School of Medicine.

Product Page URL: www.antibodiesinc.com/products/anti-kv4-3-k-channel-antibody-k75-41-75-017



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