

Anti-Kv1.6 K⁺ Channel Antibody

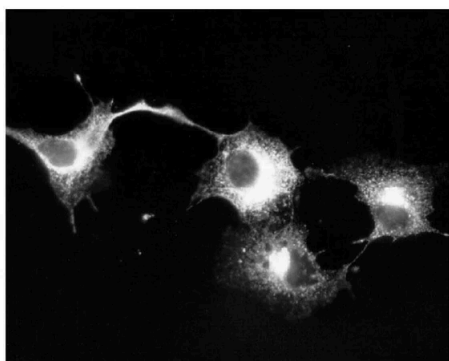


Product Details

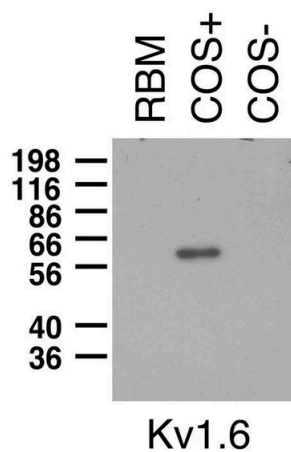
Available Variants	100 µL (SKU:75-012)
Conjugate	Unconjugated
Isotype	IgG3
Clone	K19/36
Gene Name	Kcna6
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
Production Notes	Produced 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: 1:250 ICC: 1:500
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide 507-525 (RERRSSYLPTPHRAYAEKR; cytoplasmic C-terminus) of rat Kv1.6 (accession number P17659)
Specificity	Does not cross-react with other Kv1 channels
Molecular Weight	60 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_2234243
UniProt ID	P17659
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.

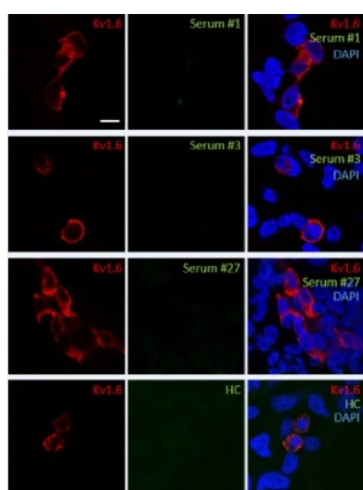
Product Images



Immunofluorescence staining transiently Kv1.6-transfected COS cells.



Immunoblot on adult rat brain membrane (RBM) and lysates from Kv1.6-transfected (COS+) and untransfected (COS-) COS cells.



Binding of serum samples 1, 3, 27, healthy control (HC) serum and a commercial antibody against the according Kv channels to transfected HEK293 cells. Cells were transfected with human Kv1.6 and stained with a Kv1.6 antibody (Cat. 75-012, 1:200; red). Binding of patient serum was visualized with anti-human-IgG-Cy3 antibody (green). Image from publication CC-BY-4.0. [PMID:38665908](https://pubmed.ncbi.nlm.nih.gov/38665908/)

Product Page URL: www.antibodiesinc.com/products/anti-kv1-6-k-channel-antibody-k19-36-75-012



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