

Product Datasheet

Anti-Kv1.6 K⁺ Channel Antibody FL550 Conjugate

Overview

Catalog #	75-012-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG3
Clone Number	K19/36
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide 507-525 (RERRSSYLTPHRAYAEKR; cytoplasmic C-terminus) of rat Kv1.6 (accession number P17659)
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-012-FL550, RRID: AB_2939109

Details

Target Description	Potassium voltage-gated channel subfamily A member 6 or Kv1.6 is encoded by the gene KCNA6. Kv1.6 is a potassium channel subunit is a member of the potassium channel, voltage-gated, shaker-related subfamily. Potassium channels form homotetrameric and heterotetrameric channels in the membrane with various other related proteins, including KCNA2, KCNA4, KCNA5, KCNA6, KCNA7. Kv1.6 is expressed in brain neurons as well as other cell types in the brain, in cardiac and smooth muscle tissue, ovary and testis.
Specificity	Does not cross-react with other Kv1 channels
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	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.

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