

Product Datasheet

Anti-SK2 potassium channel Antibody FL594 Conjugate



Overview

Catalog #	75-403-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	K78/29
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 amino acids 546-562 (ENYDKHVITYNAERSRSS, cytoplasmic C-terminus) of rat SK2 (accession number P70604)
Molecular Weight	50-80 kDa (and larger due to isoforms and dimerization/aggregation)
Cite this Antibody	Antibodies Inc Cat# 75-403-FL594, RRID: AB_2940330

Details

Target Description	Potassium calcium-activated channel subfamily N member 2 is encoded by the gene KCNN2. KCNN2 is a member of the potassium KCNN family, KCa2.2/KCNN2 subfamily. KCNN2 is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. Activation of KCNN2 leads to membrane hyperpolarization. KCNN2 is expressed in the brain. Diseases associated with KCNN2 include Dyskeratosis Congenita, Autosomal Dominant 3 and Coronary Aneurysm.
Specificity	Does not cross-react with other SK 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 by IHC on either rat or mouse brain 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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