Datasheet for ABIN7595817

anti-KCNU1 antibody (AA 1052-1121) (FL650)

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Overview

Quantity:	200 µL
Target:	KCNU1
Binding Specificity:	AA 1052-1121
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNU1 antibody is conjugated to FL650
Application:	Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-KCNU1/Slo3 pH-Sensitive Maxi-K+ Channel Antibody FL650 Conjugate
Immunogen:	Fusion protein amino acids 1052-1121 of mouse Slo3 (accession number O54982) produced recombinantly in E. Coli
Clone:	N2-16
Isotype:	IgG1
Specificity:	No off-targets reported
Cross-Reactivity:	Mouse, Xenopus laevis
Characteristics:	Description: Our Anti-KCNU1/Slo3 pH -sensitive maxi-K+ channel mouse monoclonal primary antibody is produced in-house from hybridoma clone N2/16. It is KO validated, detects mouse, Xenopus KCNU1/Slo3 pH -sensitive maxi-K+ channel, and is purified by Protein A

Product Details

	chromatography. It is great for use in ICC. Manufacturer Comment: We produce our KCNU1/Slo3 pH -sensitive maxi-K+ channel mouse monoclonal primary antibody from hybridoma clone N2/16. It is great in ICC and is purified by Protein A chromatography.
Purification:	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb.
Purity:	> 90 % specific antibody

Target Details

Target:	KCNU1
Alternative Name:	KCNU1 (KCNU1 Products)
Background:	Synonyms: Potassium channel subfamily U member 1 (Calcium-activated potassium channel subunit alpha-3) (Calcium-activated potassium channel, subfamily M subunit alpha-3) (Pore-forming subunit of the sperm-specific alkalization activated K(+) current) (KSper) (Slowpoke homolog 3) (mSlo3) (pH -sensitive maxi potassium channel) Target Description: Potassium calcium-activated channel subfamily U member 1 is encoded by the gene KCNU1. KCNU1 is a member of the potassium channel family, calcium-activated (TC 1.A.1.3) subfamily, KCa5.1/KCNU1 sub-subfamily. KCNU1 is a testis-specific potassium channel activated by both intracellular pH and membrane voltage that mediates transport of K+. KCNU1 is expressed in the testis. Diseases associated with KCNU1 include Leukodystrophy, Hypomyelinating, 3 and Coffin-Siris Syndrome 1. Gene Name Alternatives: Kcnu1 Kcnma3 Ksper Slo3
Molecular Weight:	115 kDa

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	PBS with 0.09 % azide

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.
Expiry Date:	12 months