

Datasheet for ABIN7595497

anti-KCNA5 antibody (AA 542-602) (FL490)



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Overview

Quantity:	200 µL
Target:	KCNA5
Binding Specificity:	AA 542-602
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNA5 antibody is conjugated to FL490
Application:	Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-Kv1.5 K+ Channel Antibody FL490 Conjugate
Immunogen:	Fusion protein amino acids 542-602 (cytoplasmic C-terminus) of rat Kv1.5 (accession number P19024) produced recombinantly in E. Coli
Clone:	K7-45
Isotype:	IgG1
Specificity:	No off-targets reported
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Description: Our Anti-Kv1.5 K+ channel mouse monoclonal primary antibody is produced in-house from hybridoma clone K7/45. It detects human, mouse, and rat Kv1.5 K+ channel, and is purified by Protein A chromatography. It is great for use in IHC, ICC.

Product Details

	Manufacturer Comment: We produce our Kv1.5 K+ channel mouse monoclonal primary antibody from hybridoma clone K7/45. It is great in IHC, 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:	KCNA5
Alternative Name:	Kv1.5 K+ channel (KCNA5 Products)
Background:	Synonyms: Potassium voltage-gated channel subfamily A member 5 (RCK7) (RK4) (Voltage-gated potassium channel subunit Kv1.5) Target Description: Potassium voltage-gated channel subfamily A member 5 or Kv1.5 is encoded by the gene KCNA5. Kv1.5 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. Kv1.5 is expressed in heart, including the atria nd ventricles. Kv1.5 channels are also expressed in many other organs, such as pulmonary arteries, brain, skeletal muscle. Diseases associated with KCNA5 include Familial Atrial Fibrillation and insulinoma. Gene Name Alternatives: Kcna5
Molecular Weight:	70 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 $\leq -20^{\circ}\text{C}$ 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