

Datasheet for ABIN7595409

anti-DREAM antibody (AA 1-256) (FL490)



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Overview

Quantity:	200 µL
Target:	DREAM (KCNIP3)
Binding Specificity:	AA 1-256
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DREAM antibody is conjugated to FL490
Application:	Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Purpose:	Anti-KChIP3 K+ Channel Antibody FL490 Conjugate
Immunogen:	Fusion protein amino acids 1-256 (full length) of rat Calsenillin/DREAM/KChIP3 (accession number Q9JM47) produced recombinantly in E. Coli
Clone:	K66-38
Isotype:	IgG2a
Specificity:	No off-targets reported for rat KChIPs 1,2, 4
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Description: Our Anti-KChIP3 K+ channel mouse monoclonal primary antibody is produced in-house from hybridoma clone K66/38. It is KO validated, detects human, mouse, and rat KChIP3 K+ channel, and is purified by Protein A chromatography. It is great for use in IHC, ICC.

Product Details

	Manufacturer Comment: We produce our KChIP3 K+ channel mouse monoclonal primary antibody from hybridoma clone K66/38. 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:	DREAM (KCNIP3)
Alternative Name:	KChIP3 K+ channel (KCNIP3 Products)
Background:	Synonyms: Calsenilin (A-type potassium channel modulatory protein 3) (DRE-antagonist modulator) (DREAM) (Kv channel-interacting protein 3) (KChIP3) Target Description: Kchip3 potassium channel, also known as Kv channel-interacting protein 3, Kcnip3, DREantagonist modulator and Dream is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins (KCNIPs), which belongs to the recoverin or neuronal calcium sensor (NCS) family branch of the EF-hand superfamily. Kchip3 is an integral subunit component of native Kv4 channel complexes that may regulate A-type currents and function as a calcium regulated transcriptional repressor. Kchip3 is detected in brain, specifically in the cortex, thalamus, dentate gyrus and cerebellum and can be found throughout the cell. It is also found in other tissues at low levels. Diseases associated with KCNIP3 include alzheimer disease. Gene Name Alternatives: Kcnip3 Csen Dream Kchip3
Molecular Weight:	34 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