

Datasheet for ABIN7540487
anti-DREAM antibody



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Overview

Quantity:	100 µg
Target:	DREAM (KCNIP3)
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DREAM antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Fluorescence Microscopy (FM)

Product Details

Purpose:	KChIP3 K+ channel Antibody
Immunogen:	KChIP3 K+ channel Antibody was produced in mice by repeated immunizations raised against a fusion protein of full length of rat Calsenillin/DREAM/KChIP3.
Clone:	S66-38
Isotype:	IgG2a
Cross-Reactivity (Details):	A BLAST analysis was used to suggest cross-reactivity with KChIP3 K+ channel from Mouse, Human, and Rat based on 100 % homology with the immunizing sequence.
Purification:	Anti-KChIP3 K+ channel Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	DREAM (KCNIP3)
Alternative Name:	Kcni3 (KCNIP3 Products)
Background:	Csen, Dream, rKChIP3, Kcni3, Calsenilin, A-type potassium channel modulatory protein 3, DRE-antagonist modulator, DREAM, Kv channel-interacting protein 3, KChIP3, There are four member of the KChIPs (Kv4 potassium channel interacting protein) family. They are all EF handcontaining proteins required for the traffic of channel forming Kv4 K+ subunits to the plasma membrane. KChIP3 is also known as calsenilin and as the transcription factor, downstream regulatory element antagonist modulator (DREAM), which regulates a number of genes including prodynorphon. They are highly expressed in the hippocampus. Through its various functions, it may play a role in the regulation of synaptic plasticity, learning and memory.
Gene ID:	65199
NCBI Accession:	NP_115851
UniProt:	Q9JM47

Application Details

Application Notes:	Immunohistochemistry_Dilution: 0.1-1.0 µg/mL IF_Microscopy_Dilution: 1.0-10 µg/mL Western_Blot_Dilution: 1 µg/mL
Comment:	Anti-KChIP3 K+ channel Antibody is tested for use in WB and IHC. Expect a band approximately ~34kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 50 % (v/v) Glycerol
Storage:	4 °C, -20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after

Handling

standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months