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Datasheet for 200-301-F81

KChIP3 K+ channel Antibody

Overview

Description:	Anti-KChIP3 K+ channel (MOUSE) Monoclonal Antibody - 200-301-F81
Item No.:	200-301-F81
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	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.
Synonyms:	Csen, Dream, rKChIP3, Kcnip3, Calsenilin, A-type potassium channel modulatory protein 3, DRE-antagonist modulator, DREAM, Kv channel-interacting protein 3, KChIP3
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S66-38
Format:	IgG2a

Target Details

Gene Name:	Kcnip3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Recombinant Protein

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.
Purity/Specificity:	Anti-KChIP3 K+ channel Antibody was purified by Protein G chromatography. 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. No cross reactivity against KCIPs 1,2 or 4. Cross-reactivity with KChIP3 K+ channel from other sources has not been determined. Ion Channels research.
Relevant Links:	• NCBI - NP_115851.1 • GeneID - 65199 • UniProtKB - Q9JM47

Application Details

Tested Applications:	IHC, WB
Application Note:	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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1.0-10ug/mL
IHC:	0.1-1.0ug/mL
WB:	1ug/mL

Formulation

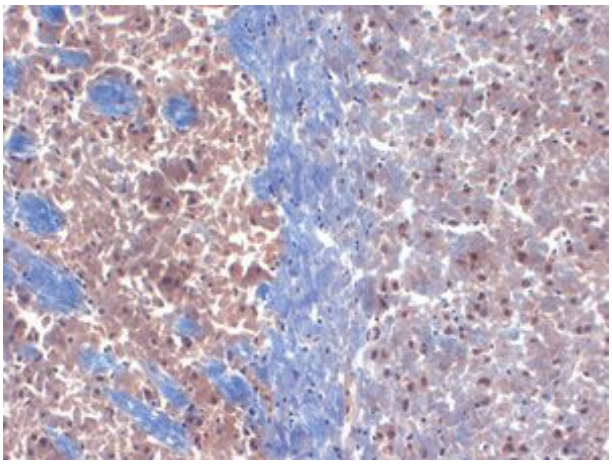
Physical State:	Liquid (sterile filtered)
Concentration:	1mg/mL by UV absorbance at 280 nm
Buffer:	1X PBS, pH 7.4
Preservative:	0.09% (w/v) Sodium Azide
Stabilizer:	50% (v/v) Glycerol

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	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 standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunohistochemistry
Immunohistochemistry of mouse anti-KChIP3 antibody. Tissue: Frozen sections of mouse brain extract. Primary Antibody: KChIP3 antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: cell membrane. Staining: KChIP3 as brown signal.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.