Datasheet for 200-301-F93

Kv1.3 Antibody

Overview

Description:	Anti-Kv1.3 (MOUSE) Monoclonal Antibody - 200-301-F93
Item No.:	200-301-F93
Size:	100 µg
Applications:	IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Mouse

Product Details

Background:	Voltage gated channels are tetrameters composed of four alpha-subunits arranged around a central pole. Each alphasubunit consists of six transmembrane segments with cytoplasmic NH2 and COOH-termini. Members of the KV1-4 subfamilies generate functional K+ channels in a homotetrameric configuration.
Synonyms:	HGK5, HLK3, HPCN3, KCNA3, MK3, PCN3, Voltage-gated potassium channel subunit Kv1.3, Voltage-gated K(+) channel HuKIII, HGK5, HLK3, HPCN3, Potassium voltage-gated channel subfamily A member 3
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	S23-27
Format:	IgG2a

Target Details

Gene Name:	Kcna3
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Kv1.3 Antibody was produced in mice by repeated immunizations raised against a synthetic peptide at the cytoplasmic C-terminus region of rat Kv1.3.

Purity/Specificity:	Anti-Kv1.3 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with Kv1.3 from Human, Mouse, and Rat based on 100% homology with the immunizing sequence. Cross-reactivity with Kv1.3 from other sources has not been determined. Ion Channels research.
Relevant Links:	• NCBI - NP_062143.3 • GeneID - 29731 • UniProtKB - P15384

Application Details

Tested Applications:	IHC, WB
Application Note:	Anti-Kv1.3 Antibody is tested for use in WB, IP, and IHC. Expect a band approximately ~70kDa 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

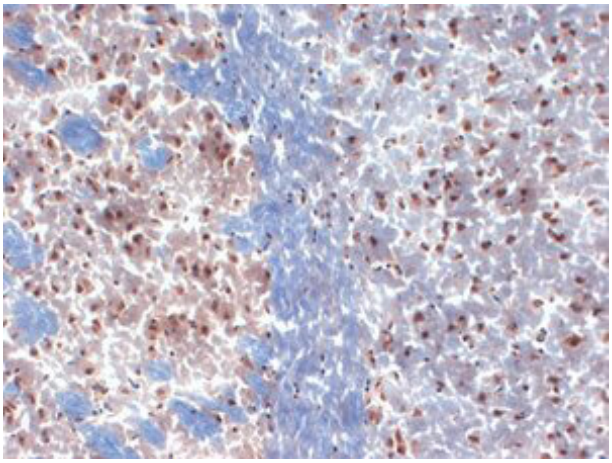
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/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-Kv1.3 antibody. Tissue: Frozen sections of mouse brain extract. Primary Antibody: Kv1.3 antibody at 1 µg/mL for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: membrane. Staining: Kv1.3 as brown signal.

Disclaimer

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