

Datasheet for ABIN6658133
anti-KCNA5 antibody (C-Term)



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Overview

Quantity:	100 µg
Target:	KCNA5
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCNA5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Fluorescence Microscopy (FM)

Product Details

Purpose:	Kv1.5 K+ channel Antibody
Immunogen:	Kv1.5 K+ channel Antibody was produced in mice by repeated immunizations raised against a fusion protein at the cytoplasmic C-terminus region of rat Kv1.5.
Clone:	S7-45
Isotype:	IgG1
Purification:	Anti-Kv5.1 K+ channel Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	KCNA5
Alternative Name:	Kcna5 (KCNA5 Products)
Background:	Synonyms: HCK1, HK2, HPCN1, KV1, KCNA5, PCN1, RCK7, RK4, Voltage-gated potassium channel subunit Kv1.5, Potassium voltage-gated channel subfamily A member 5 Background: Voltage gated channels are tetrameters composed of four alpha-subunits arranged around a central pore. Each alphasubunit consists of six transmembrane segments with cytoplasmic NH2 and COOH-termini. Members of the KV1- KV4 subfamilies generate functional K⁺ channels in a homotetrameric configuration. The KV2 subfamily consists of KV2.1 and KV2.2, and both have very similar properties. Members of the KV2 subfamily are widely expressed in neuronal tissues. They have also been reported in neurons in the dorsal root ganglia. Gene Name: Kcna5
Gene ID:	25470
NCBI Accession:	NP_037104
UniProt:	P19024

Application Details

Application Notes:	Immunoprecipitation_Dilution: User Optimized Immunohistochemistry_Dilution: 0.1-1.0 µg/mL IF_Microscopy_Dilution: 1.0-10 µg/mL Western_Blot_Dilution: 1 µg/mL
Comment:	Anti-Kv5.1 K ⁺ channel 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.
Restrictions:	For Research Use only

Handling

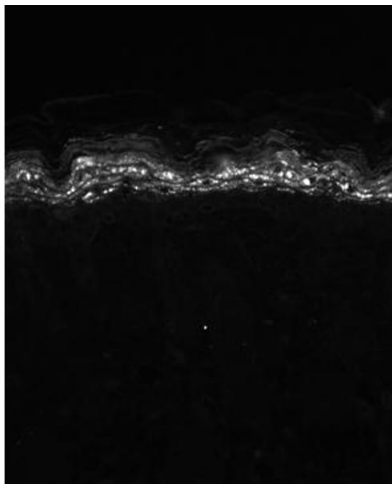
Format:	Liquid
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 50 % (v/v) Glycerol
Storage:	4 °C, -20 °C

Handling

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 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

Images



Immunohistochemistry

Image 1. Kv1.5K+ Channel Immunohistochemistry. Immunohistochemistry of mouse anti-Kv1.5 K+ Channel antibody. Tissue: Mouse back skin sections. Primary Antibody: Kv1.5 K+ Channel 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: Kv1.5 K+ Channel as white signal.