

Datasheet for ABIN6658138
anti-KCND3 antibody (C-Term)



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2 Images

Overview

Quantity:	100 µg
Target:	KCND3
Binding Specificity:	C-Term
Reactivity:	Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This KCND3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Fluorescence Microscopy (FM)

Product Details

Purpose:	Kv4.3 K+ channel Antibody
Immunogen:	Kv4.3 K+ channel Antibody was produced in mice by repeated immunizations raised against a fusion protein corresponding to cytoplasmic C-terminus region of rat Kv4.3.
Clone:	S75-41
Isotype:	IgG1
Purification:	Anti-Kv4.3 Antibody was purified by Protein G chromatography.
Sterility:	Sterile filtered

Target Details

Target:	KCND3
Alternative Name:	Kcnd3 (KCND3 Products)
Background:	<p>Synonyms: Kv4.3, Kcnd3, Potassium voltage-gated channel subfamily D member 3, Voltage-gated potassium channel subunit Kv4.3</p> <p>Background: Potassium voltage-gated channel subfamily D member 3 (also known as Kv4.3) is a protein that in humans is encoded by the KCND3 gene. It contributes to the cardiac transient outward potassium current, the main contributing current to the repolarizing phase 1 of the cardiac action potential.</p> <p>Gene Name: Kcnd3</p>
Gene ID:	65195
NCBI Accession:	NP_113927
UniProt:	Q62897

Application Details

Application Notes:	<p>Immunoprecipitation_Dilution: User Optimized</p> <p>Immunohistochemistry_Dilution: 0.1-1.0 µg/mL</p> <p>IF_Microscopy_Dilution: 1.0-10 µg/mL</p> <p>Western_Blot_Dilution: 1 µg/mL</p>
Comment:	Anti-Kv4.3 Antibody is tested for use in WB, IP, and IHC. Expect a band approximately ~75kDa in rat brain membrane preparations. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	<p>Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2</p> <p>Stabilizer: 50 % (v/v) Glycerol</p> <p>Preservative: 0.09 % (w/v) Sodium Azide</p>
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

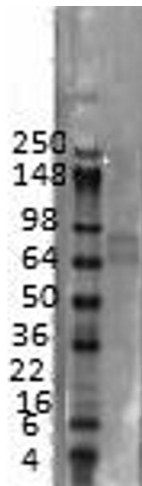
Handling

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

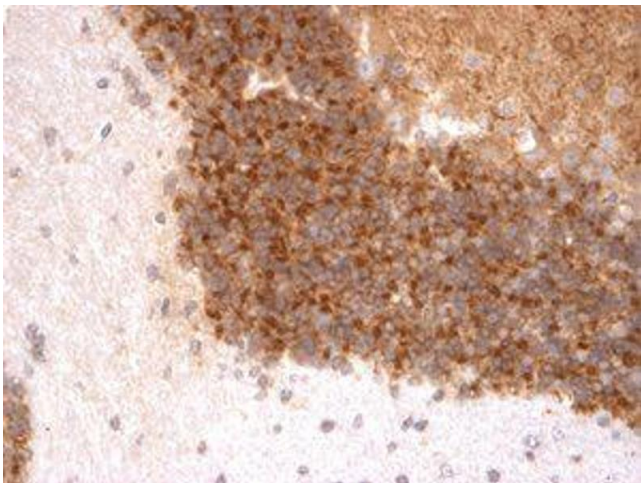
Expiry Date: 12 months

Images



Western Blotting

Image 1. Kv4.3K+ Channel Western Blot. Western Blot of mouse anti-Kv4.3 K+ Channel antibody. Lane 1: Rat Brain Membrane Tissue. Primary antibody: Kv4.3 K+ Channel antibody at 1:1000 for overnight at 4°C. Secondary antibody: Goat anti-mouse IgG HRP secondary antibody at 1:10,000 for 45 min at RT. Block: 5% Biotin overnight 4°C. Predicted/Observed size: 75 kDa/70.5kD. Other band(s): none.



Immunohistochemistry

Image 2. Kv4.3K+ Channel Immunohistochemistry. Immunohistochemistry of mouse anti-Kv4.3 K+ Channel antibody. Tissue: Mouse Cerebellum. Primary Antibody: Kv4.3 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: Cell membrane and dendrite. Staining: Kv4.3 K+ Channel as brown signal.