



Datasheet for ABIN7164001
anti-KCNQ3 antibody (AA 763-872)



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2 Images

Overview

Quantity:	100 µg
Target:	KCNQ3
Binding Specificity:	AA 763-872
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNQ3 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Potassium voltage-gated channel subfamily KQT member 3 protein (763-872AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	KCNQ3
Alternative Name:	KCNQ3 (KCNQ3 Products)
Background:	Background: Probably important in the regulation of neuronal excitability. Associates with

Target Details

KCNQ2 or KCNQ5 to form a potassium channel with essentially identical properties to the channel underlying the native M-current, a slowly activating and deactivating potassium conductance which plays a critical role in determining the subthreshold electrical excitability of neurons as well as the responsiveness to synaptic inputs.

Aliases: BFNC 2 antibody, BFNC antibody, BFNC2 antibody, EBN 2 antibody, EBN2 antibody, KCNQ 3 antibody, KCNQ3 antibody, KCNQ3_HUMAN antibody, KQT like 3 antibody, KQT-like 3 antibody, KV7.3 antibody, Potassium channel subunit alpha KvLQT3 antibody, Potassium channel voltage gated subfamily Q member 3 antibody, Potassium voltage gated channel KQT like protein 3 antibody, Potassium voltage gated channel KQT like subfamily member 3 antibody, Potassium voltage gated channel subfamily KQT member 3 antibody, Potassium voltage-gated channel subfamily KQT member 3 antibody, Voltage gated potassium channel subunit Kv7.3 antibody, Voltage-gated potassium channel subunit Kv7.3 antibody

UniProt: [O43525](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

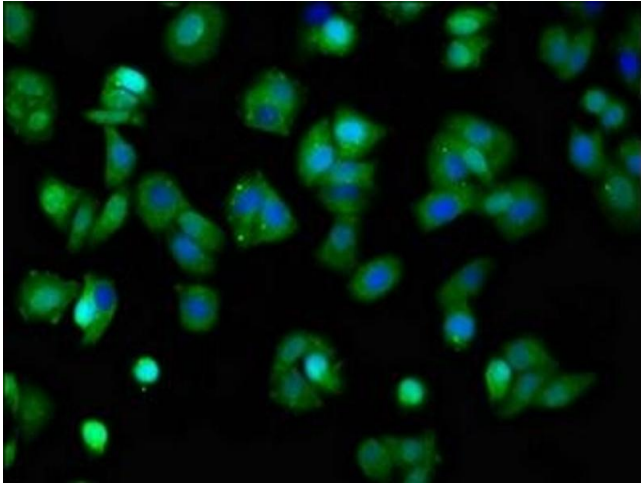
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

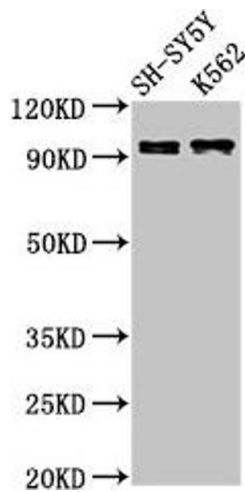
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunofluorescence

Image 1. Immunofluorescence staining of HepG2 cells with ABIN7164001 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 2. Western Blot Positive WB detected in: SH-SY5Y whole cell lysate, K562 whole cell lysate All lanes: KCNQ3 antibody at 3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 97, 85 kDa Observed band size: 97 kDa