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anti-KCNN3 antibody

2 Images



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Overview

Quantity:	200 μL
Target:	KCNN3
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KCNN3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Synthetic peptide of human KCNN3
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Antigen affinity purification

Target Details

Target:	KCNN3
Alternative Name:	KCNN3 (KCNN3 Products)
Background:	KCNN3 (Potassium Calcium-Activated Channel Subfamily N Member 3) is a Protein Coding
	gene. Diseases associated with KCNN3 include Spinocerebellar Ataxia 2 and Bipolar Disorder.
	Among its related pathways are Insulin secretion and Transmission across Chemical Synapses.
	GO annotations related to this gene include protein heterodimerization activity and calcium-

activated potassium channel activity. An important paralog of this gene is KCNN2. Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium channels. This gene belongs to the KCNN family of potassium channels. It encodes an integral membrane protein that forms a voltage-independent calcium-activated channel, which is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene contains two CAG repeat regions in the coding sequence. It was thought that expansion of one or both of these repeats could lead to an increased susceptibility to schizophrenia or bipolar disorder, but studies indicate that this is probably not the case. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

UniProt:

Q9UGI6

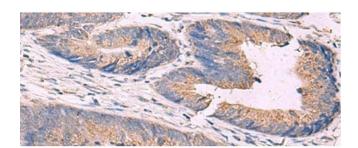
Application Details

Application Notes:	IHC 1:40-1:200, ELISA 1:5000-1:10000

Restrictions: For Research Use only

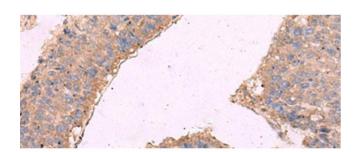
Handling

Format:	Liquid
Concentration:	1.08 mg/mL
Buffer:	PBS with 0.05 % Sodium azide and 40 % Glycerol, pH 7.4
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using KCNN3 Polyclonal Antibody at dilution of 1:40(x200)



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human liver cancer tissue using KCNN3 Polyclonal Antibody at dilution of 1:40(x200)