Anti-KCNN2 antibody

Cat. No.	ml164332
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-KCNN2 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human KCNN2
Reactivity	Human, Mouse, Rat
Content	1.86 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

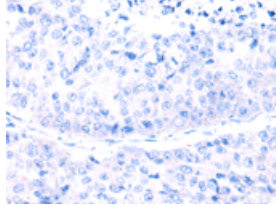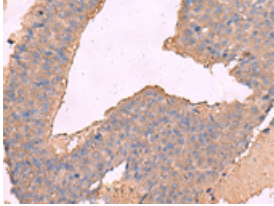|	
Symbol	KCNN2
Full name	potassium calcium-activated channel subfamily N member 2
Synonyms	SK2; hSK2; SKCA2; KCa2.2; SKCa 2
Swissprot	Q9H2S1

Target Background

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. The protein encoded by this gene is activated before membrane hyperpolarization and is thought to regulate neuronal excitability by contributing to the slow component of synaptic AHP. This gene is a member of the KCNN family of potassium channel genes. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. Alternate splicing of this gene results in multiple transcript variants.
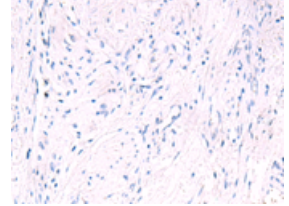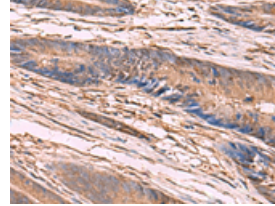
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 50-300

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml164332(KCNN2 Antibody) at dilution 1/65, on the right is treated with synthetic peptide. (Original magnification: ×200)

Predicted cell location: Cytoplasm

Positive control: Human colorectal cancer

Recommended dilution: 50-300

The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml164332(KCNN2 Antibody) at dilution 1/65, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000