Anti-KCNN3 antibody

Cat. No.	ml164333
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-KCNN3 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human KCNN3
Reactivity	Human, Mouse, Rat
Content	1.08 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

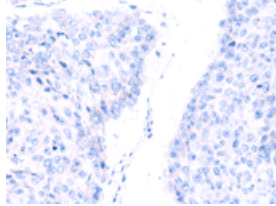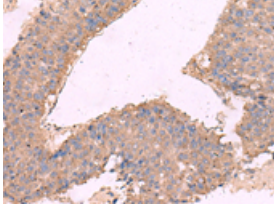|	
Symbol	KCNN3
Full name	potassium calcium-activated channel subfamily N member 3
Synonyms	SK3; hSK3; SKCA3; KCa2.3
Swissprot	Q9UGI6

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. 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.
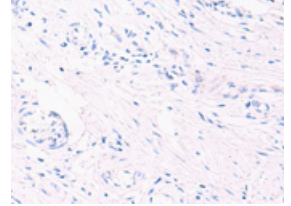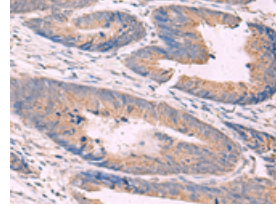
Applications

Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 40-200

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml164333(KCNN3 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 5000-10000

Predicted cell location: Cytoplasm

Positive control: Human colorectal cancer

Recommended dilution: 40-200

The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using ml164333(KCNN3 Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: ×200)

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