

## Product datasheet for **TA368610S**

### KCNN2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB: 1000-5000 WB positive control: Mouse liver tissue lysate IHC: 50-300 Positive control: Human liver cancer Predicted cell location: Cytoplasm
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide of human KCNN2
Formulation:	pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	64 kDa
Gene Name:	potassium calcium-activated channel subfamily N member 2
Database Link:	<a href="#">Entrez Gene 3781 Human Q9H2S1</a>



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**Background:**

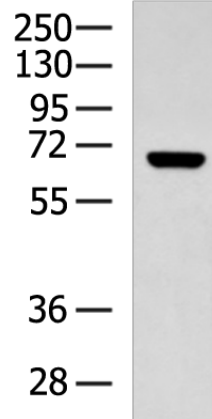
Action potentials in vertebrate neurons are followed by an afterhyperpolarization (AHP) that may persist for several seconds and may have profound consequences for the firing pattern of the neuron. Each component of the AHP is kinetically distinct and is mediated by different calcium-activated potassium 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.

**Synonyms:**

hSK2; KCa2.2; SK2; SKCA2

**Product images:**

kDa



Gel: 8%SDS-PAGE

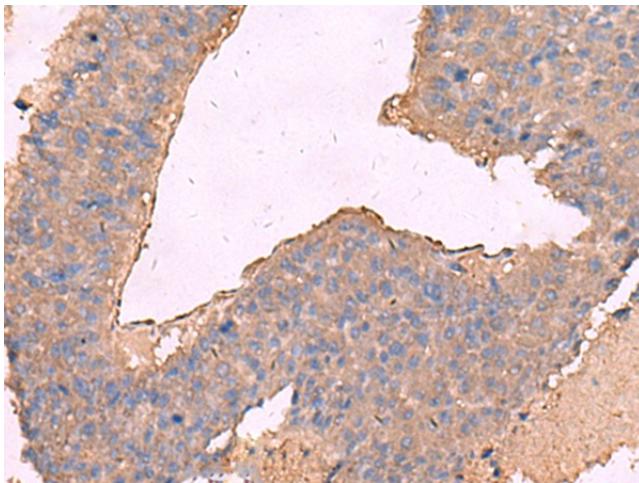
Lysate: 40 µg

Lane: Mouse liver tissue lysate

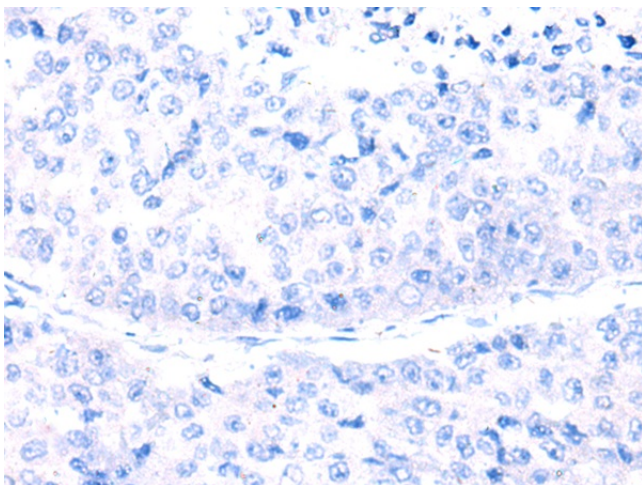
Primary antibody: [TA368610] (KCNN2 Antibody)  
at dilution 1/1000

Secondary antibody: Goat anti rabbit IgG at  
1/5000 dilution

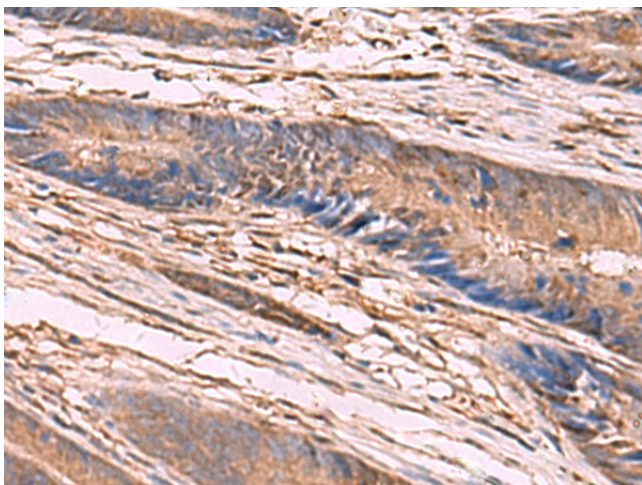
Exposure time: 20 seconds



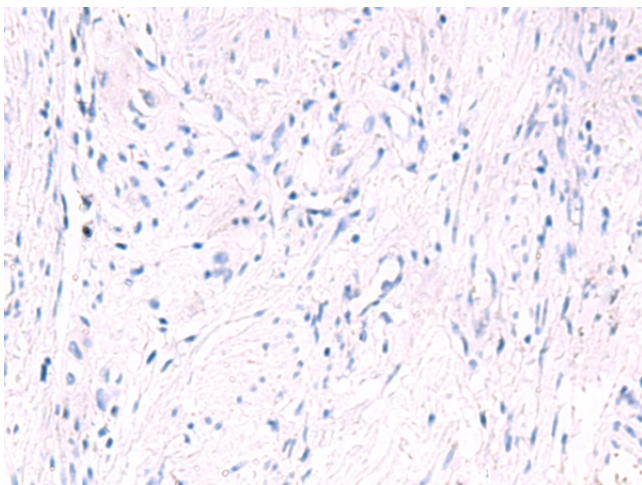
Immunohistochemistry of paraffin-embedded  
Human liver cancer tissue using [TA368610]  
(KCNN2 Antibody) at dilution 1/65 (Original  
magnification: ×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using [TA368610] (KCNN2 Antibody) at dilution 1/65, treated with synthetic peptide. (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA368610] (KCNN2 Antibody) at dilution 1/65 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using [TA368610] (KCNN2 Antibody) at dilution 1/65, treated with synthetic peptide. (Original magnification: ×200)