

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **KCNN1 RABBIT PAB**

Cat.#: S222286

Product Name: Anti-KCNN1 Rabbit Polyclonal Antibody

Synonyms: SK1; hSK1; SKCA1; KCa2.1

UNIPROT ID: Q92952 (Gene Accession - NP\_002239)

**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. The encoded protein is an integral membrane protein that forms a voltage-independent calcium-activated channel with three other calmodulin-binding subunits. This gene is a member of the KCNN family of potassium channel genes.

**Immunogen:** Synthetic peptide of human KCNN1

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 50-300; ELISA: 5000-10000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG **Purification:** Antigen affinity purification **Species Reactivity:** Human, Mouse, Rat

Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40%

glycerol

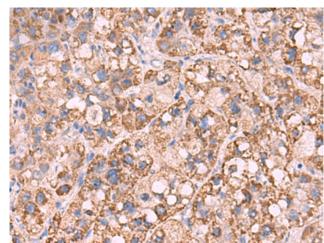
**Research Areas:** Signal Transduction

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing

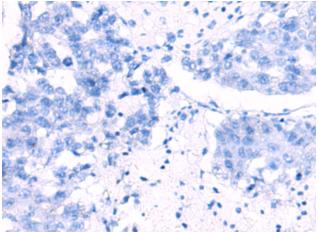


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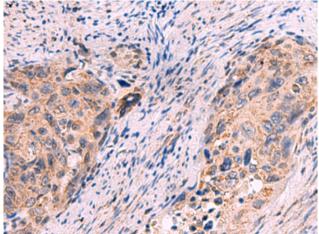
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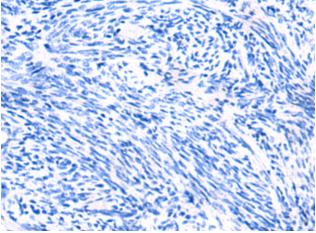
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 222286(KCNN1 Antibody) at a dilution of 1/55(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 222286 (Anti-KCNNI Antibody) at dilution 1/55.



The image on the left is immunohistochemistry of paraffinembedded Human cervical cancer tissue using 222286(Anti-KCNN1 Antibody) at a dilution of 1/55.



In comparision with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with synthetic peptide and then with D264331(Anti-KCNNI Antibody) at dilution 1/55.