KCNN3 RABBIT PAB

Cat.#: S222288

Product Name: Anti-KCNN3 Rabbit Polyclonal Antibody

Synonyms: SK3; hSK3; SKCA3; KCa2.3

UNIPROT ID: Q9UGI6 (Gene Accession – NP_002240)

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.

Immunogen: Synthetic peptide of human KCNN3

Applications: ELISA, IHC

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

Host Species: Rabbit

Clonality: Rabbit Polyclonal
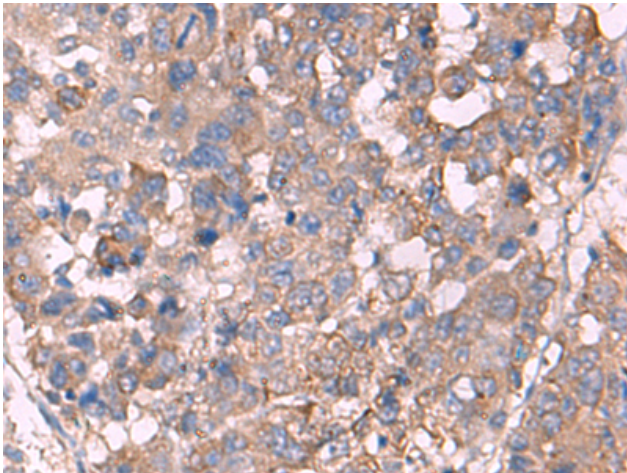
Isotype: Immunogen-specific rabbit IgG

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: Neuroscience

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

Product Description

Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 222288(KCNN3 Antibody) at a dilution of 1/60(Cytoplasm).
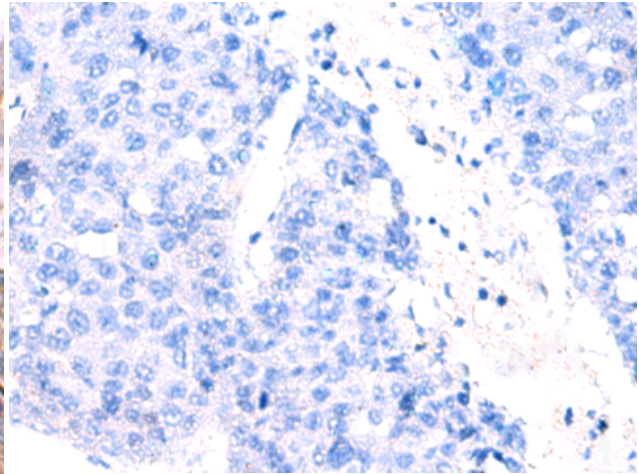
In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with the synthetic peptide and then with 222288(Anti-KCNN3 Antibody) at dilution 1/60.
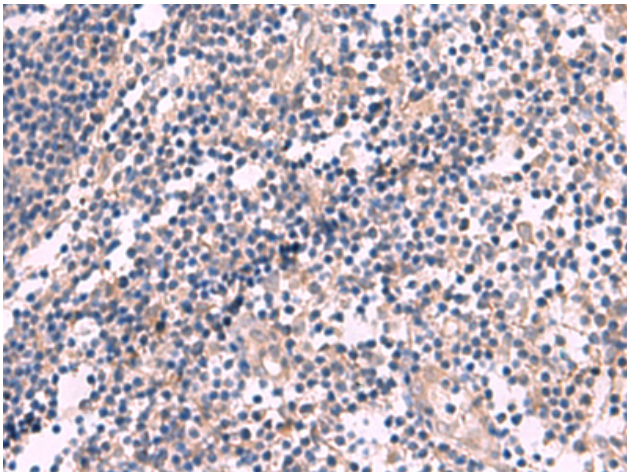
The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using 222288(Anti-KCNN3 Antibody) at a dilution of 1/60.
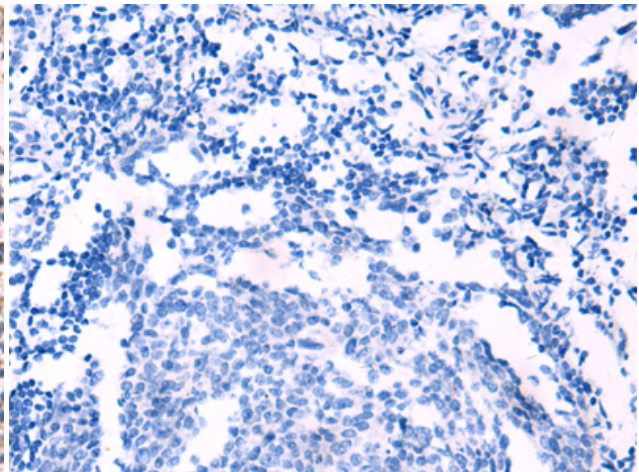
In comparision with the IHC on the left, the same paraffin-embedded Human tonsil tissue is first treated with synthetic peptide and then with D264333(Anti-KCNN3 Antibody) at dilution 1/60.