

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **KCNG1 RABBIT PAB**

Cat.#: S220646

Product Name: Anti-KCNG1 Rabbit Polyclonal Antibody

Synonyms: K13; kH2; KCNG; KV6.1

**UNIPROT ID:** Q9UIX4 (Gene Accession - NP\_002228)

**Background:** Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This gene is abundantly expressed in skeletal muscle. Multiple alternatively spliced transcript variants have been found in normal and cancerous tissues.

Immunogen: Synthetic peptide of human KCNG1

**Applications:** ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 2000-10000

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 Cg2+), pH 7.4, 150 mM NgCl, 0.05% Sodium Azide and 40%

glycerol

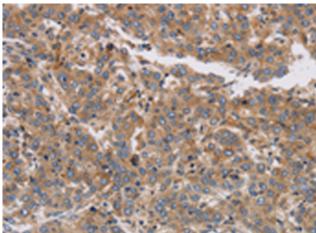
Research Areas: Neuroscience

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

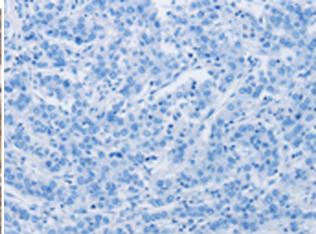


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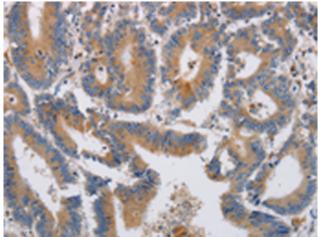
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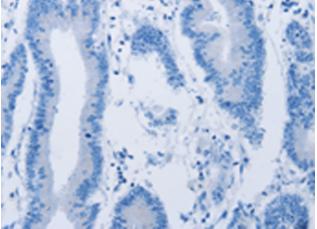
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 220646(KCNGI Antibody) at a dilution of 1/40(Cytoplasm).



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 220646(Anti-KCNGI Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffinembedded Human colon cancer tissue using 220646(Anti-KCNG1 Antibody) at a dilution of 1/40.



In comparision with the IHC on the left, the same paraffin-embedded Human colon cancer tissue is first treated with synthetic peptide and then with D261816 (Anti-KCNG1 Antibody) at dilution 1/40.