

HCN2 RABBIT PAB

Cat.#: S219845

Product Name: Anti-HCN2 Rabbit Polyclonal Antibody

Synonyms: BCNG2, HAC-1, BCNG-2

UNIPROT ID: Q9UL51 (Gene Accession - NP_001185)

Background: Hyperpolarization-activated cation channels of the HCN gene family, such as HCN2, contribute to spontaneous rhythmic activity in both heart and brain. Hyperpolarization-activated ion channel exhibiting weak selectivity for potassium over sodium ions. Contributes to the native pacemaker currents in heart (If) and in neurons (Ih). Produces a large instantaneous current. Activated by cAMP. Modulated by intracellular chloride ions and pH; acidic pH shifts the activation to more negative voltages.

Immunogen: Synthetic peptide of human HCN2

Applications: ELISA, IHC

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

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

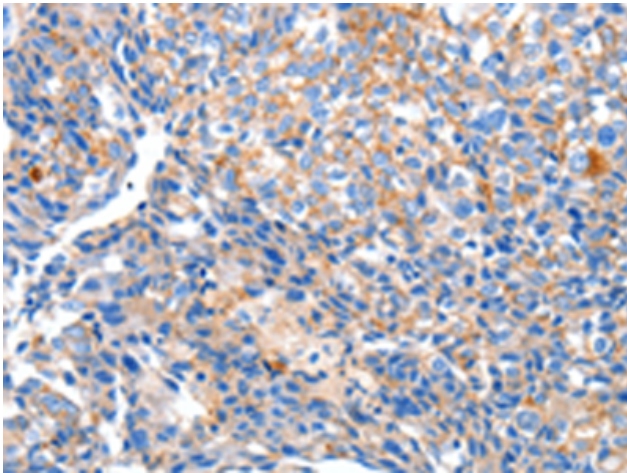
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

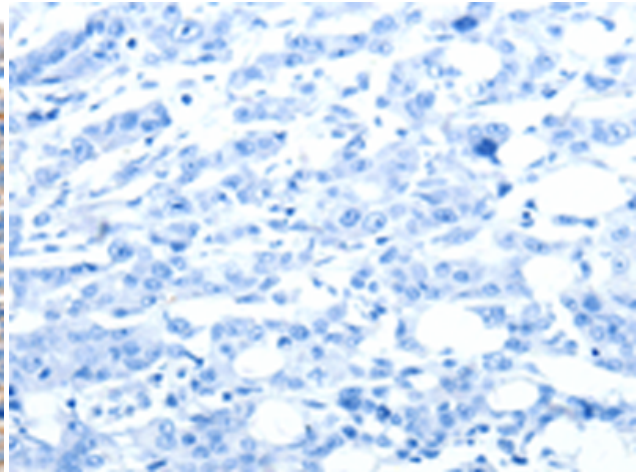
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Neuroscience, Cardiovascular

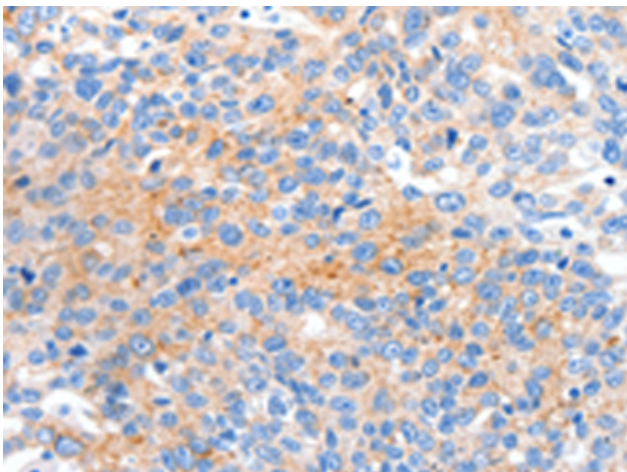
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



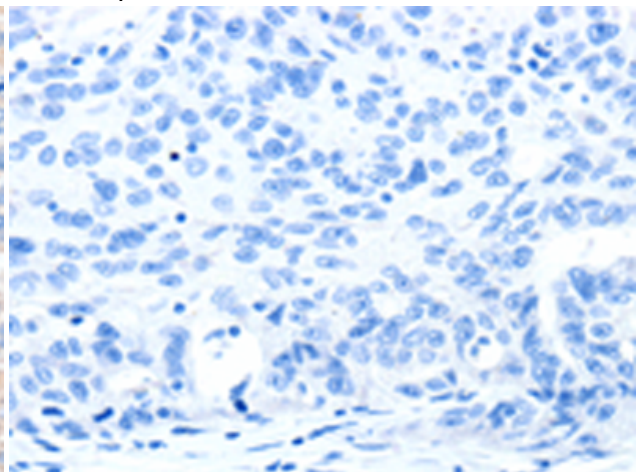
Immunohistochemistry analysis of paraffin embedded Human breast cancer tissue using 219845 (HCN2 Antibody) at a dilution of 1/80 (Cytoplasm).



In comparison with the IHC on the left, the same paraffin-embedded Human breast cancer tissue is first treated with the synthetic peptide and then with 219845 (Anti-HCN2 Antibody) at dilution 1/80.



The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using 219845 (Anti-HCN2 Antibody) at a dilution of 1/80.



In comparison with the IHC on the left, the same paraffin-embedded Human ovarian cancer tissue is first treated with synthetic peptide and then with D260475 (Anti-HCN2 Antibody) at dilution 1/80.