

## **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

## **GRK2 RABBIT PAB**

Cat.#: S222404

**Product Name:** Anti-GRK2 Rabbit Polyclonal Antibody

Synonyms: BARK1; ADRBK1; BETA-ARK1

UNIPROT ID: P25098 (Gene Accession - NP\_001610)

**Background:** This gene encodes a member of the G protein-coupled receptor kinase family of proteins. The encoded protein phosphorylates the beta-adrenergic receptor as well as a wide range of other substrates including non-GPCR cell surface receptors, and cytoskeletal, mitochondrial, and transcription factor proteins. Data from rodent models supports a role for this gene in embryonic development, heart function and metabolism. Elevated expression of this gene has been observed in human patients with heart failure and Alzheimer's disease.

Immunogen: Synthetic peptide of human GRK2

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; 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

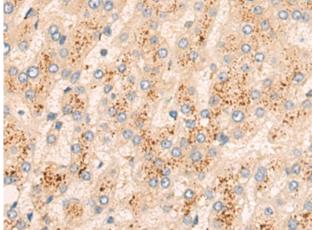
**Research Areas:** Signal Transduction, Neuroscience

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

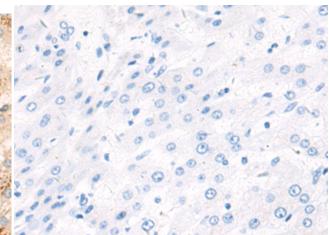


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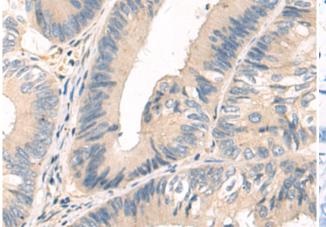
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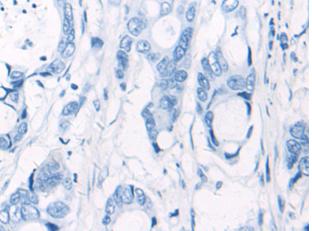
Immunohistochemistry analysis of paraffin embedded Human liver cancer tissue using 222404(GRK2 Antibody) at a dilution of 1/50(Cytoplasm).



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 222404(Anti-GRK2 Antibody) at dilution 1/50.



The image on the left is immunohistochemistry of paraffinembedded Human colorectal cancer tissue using 222404(Anti-GRK2 Antibody) at a dilution of 1/50.



In comparision with the IHC on the left, the same paraffin-embedded Human colorectal cancer tissue is first treated with synthetic peptide and then with D264561(Anti-GRK2 Antibody) at dilution 1/50.