

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

GRK1 RABBIT PAB

Cat.#: S219836

Product Name: Anti-GRK1 Rabbit Polyclonal Antibody

Synonyms: RK, RHOK, GPRK1

UNIPROT ID: Q15835 (Gene Accession - NP_002920)

Background: This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2). Retina-specific kinase involved in the signal turnoff via phosphorylation of rhodopsin (RHO), the G protein- coupled receptor that initiates the phototransduction cascade. This rapid desensitization is essential for scotopic vision and permits rapid adaptation to changes in illumination.

Immunogen: Synthetic peptide of human GRK1

Applications: ELISA, IHC

Recommended Dilutions: IHC: 50-200; ELISA: 2000-5000

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

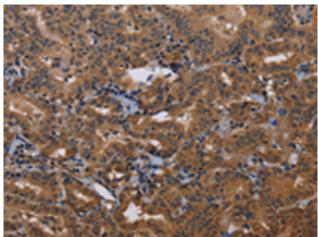
Research Areas: Signal Transduction, Neuroscience

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

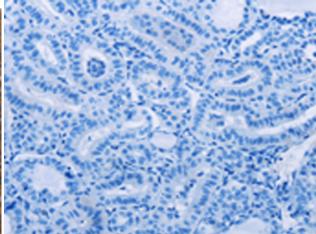


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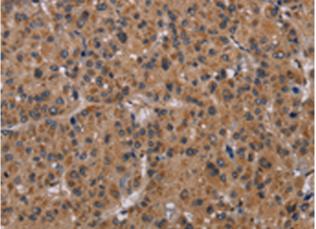
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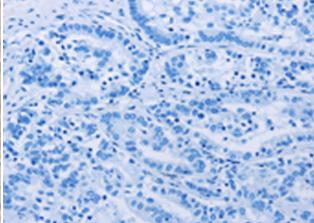
Immunohistochemistry analysis of paraffin embedded Human thyroid cancer tissue using 219836(GRK1 Antibody) at a dilution of 1/30(Cytoplasm).



In comparision with the IHC on the left, the same paraffin-embedded Human thyroid cancer tissue is first treated with the synthetic peptide and then with 219836(Anti-GRK1 Antibody) at dilution 1/30.



The image on the left is immunohistochemistry of paraffinembedded Human liver cancer tissue using 219836(Anti-GRK1 Antibody) at a dilution of 1/30.



In comparision with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with synthetic peptide and then with D260463(Anti-GRKI Antibody) at dilution 1/30.