

GRPR RABBIT PAB

Cat.#: S213544

Product Name: Anti-GRPR Rabbit Polyclonal Antibody

Synonyms: BB2

UNIPROT ID: P30550 (Gene Accession - NP_005305)

Background: Gastrin-releasing peptide (GRP) regulates numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation and is a potent mitogen for neoplastic tissues. The effects of GRP are mediated through the gastrin-releasing peptide receptor. This receptor is a glycosylated, 7-transmembrane G-protein coupled receptor that activates the phospholipase C signaling pathway. The receptor is aberrantly expressed in numerous cancers such as those of the lung, colon, and prostate. An individual with autism and multiple exostoses was found to have a balanced translocation between chromosome 8 and a chromosome X breakpoint located within the gastrin-releasing peptide receptor gene.

Immunogen: Synthetic peptide of human GRPR

Applications: ELISA, WB, IHC

Recommended Dilutions: IHC: 50-200;WB: 200-1000;ELISA: 2000-5000

Host Species: Rabbit

Clonality: Rabbit Polyclonal

Isotype: Immunogen-specific rabbit IgG

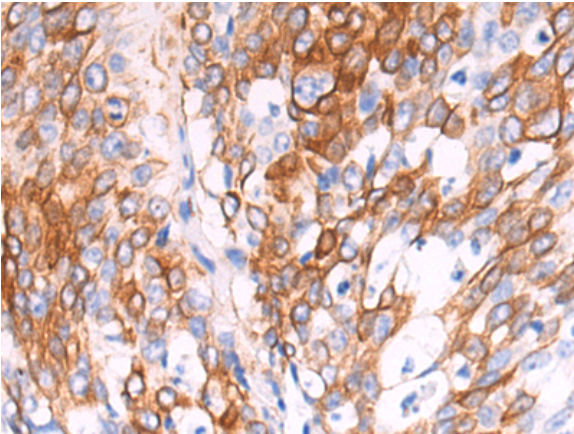
Purification: Antigen affinity purification

Species Reactivity: Human, Mouse, Rat

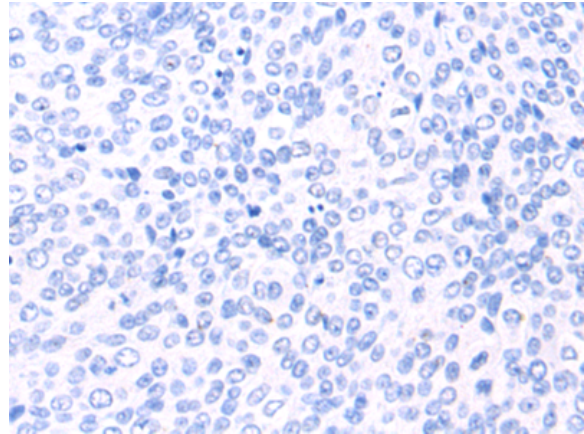
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

Research Areas: Signal Transduction, Neuroscience

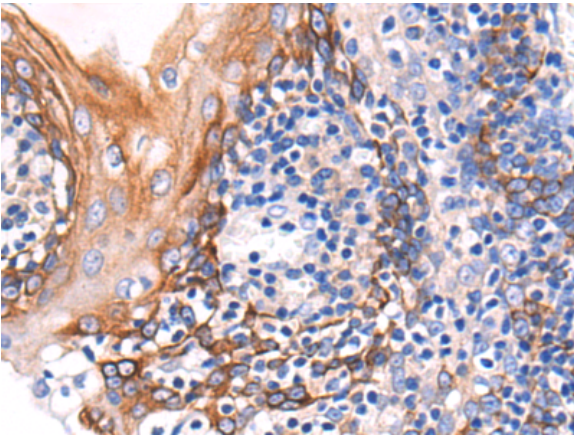
Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



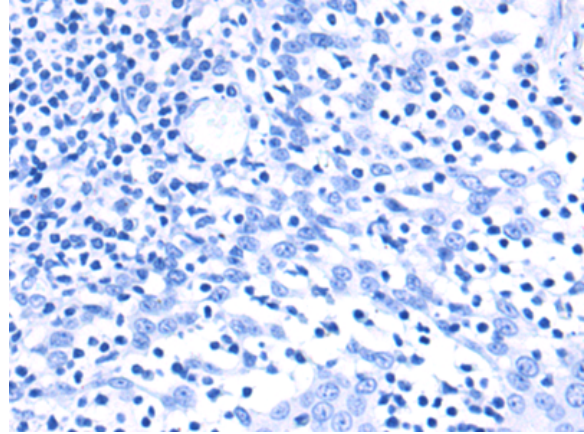
Immunohistochemistry analysis of paraffin embedded Human cervical cancer tissue using 213544(GRPR Antibody) at a dilution of 1/40(Cytoplasm).



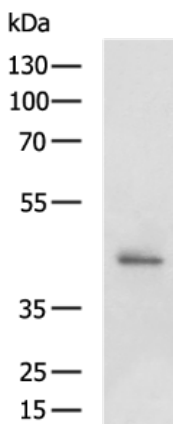
In comparison with the IHC on the left, the same paraffin-embedded Human cervical cancer tissue is first treated with the synthetic peptide and then with 213544(Anti-GRPR Antibody) at dilution 1/40.



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 213544(Anti-GRPR Antibody) at a dilution of 1/40.



In comparison with the IHC on the left, the same paraffin-embedded Human esophagus cancer tissue is first treated with synthetic peptide and then with D160388(Anti-GRPR Antibody) at dilution 1/40.



Gel: 8%SDS-PAGE, Lysate: 40 µg;
Lane 1-2: Human hepatocellular carcinoma tissue, A549 cells;
Primary antibody: 213544(GRPR Antibody) at dilution 1/300;
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution;
Exposure time: 5 minutes



Product Description

Pioneering GTPase and Oncogene Product Development since 2010
