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GRPR Polyclonal Antibody

Catalog Number **PA5-33834**

Product data sheet

Details	
Size	50 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	Synthetic 17 amino acid peptide from 3rd cytoplasmic domain of human GRPR.
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS
Contains	0.1% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

Species Reactivity	
Species reactivity	Dog, Hamster, Human, Mouse, Non-human primate, Pig, Rat

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	15-20 µg/mL
Immunocytochemistry (ICC/IF)	Assay-dependent

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

Percent identity with other species by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Hamster, Elephant, Bovine, Dog, Bat, Pig (100%).

Background/Target Information

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.

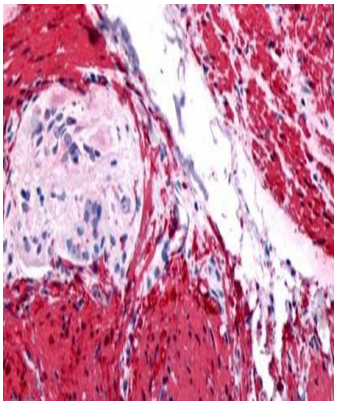
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Product Images For GRPR Polyclonal Antibody



GRPR Antibody (PA5-33834) in IHC (P)

Immunohistochemical analysis of formalin-fixed paraffin-embedded human colon using a GRPR polyclonal antibody (Product # PA5-33834). Heat-induced antigen retrieval was performed prior to staining.

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Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA

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