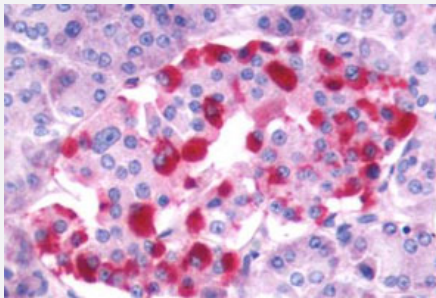


GRPR polyclonal antibody

Catalog # PAB26516

Size 50 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human pancreas, islet of Langerhans with GRPR polyclonal antibody (Cat # PAB26516). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of GRPR.
Immunogen	A synthetic peptide corresponding to 18 amino acids at 2nd extracellular domain of human GRPR.
Host	Rabbit
Reactivity	Dog, Horse, Human, Monkey, Pig, Rabbit
Specificity	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Form	Liquid
Purification	Immunoaffinity chromatography
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (4 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical (Formalin/PFA-fixed paraffin-embedded sections) staining in human pancreas, islet of Langerhans with GRPR polyclonal antibody (Cat # PAB26516). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

- Immunocytochemistry

Gene Info — GRPR

Entrez GeneID [2925](#)

Protein Accession# [P30550](#)

Gene Name GRPR

Gene Alias -

Gene Description gastrin-releasing peptide receptor

Omim ID [305670](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations GRP-preferring bombesin receptor|OTTHUMP00000022983

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alzheimer disease](#)
- [Autistic Disorder](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Neuroblastoma](#)
- [Panic Disorder](#)
- [Phobic Disorders](#)
- [Schizophrenia](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)