

Rabbit GRPR Polyclonal Antibody | anti-GRPR antibody

GRPR Antibody (Center)

CATALOG # AAA289712	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse, Rat)	APPLICATIONS Immunohistochemistry
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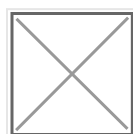
PRODUCT SYNONYMS

GRPR; Polyclonal Antibody; GRPR Antibody (Center); Gastrin-releasing peptide receptor; GRP-R; GRP-preferring bombesin receptor; anti-GRPR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse, Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This GRPR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 123-152 amino acids from the Central region of human GRPR.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Concentration	Vial Concentration: 0.5mg/mL (varies by lot)
Sequence Positions	123-152
Sequence Length	384
Applicable Applications for anti-GRPR antibody	IHC (Immunohistochemistry)
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

GRPR Antibody (Center) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the GRPR Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

ADDITIONAL INFORMATION

Related Product Information for anti-GRPR antibody	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.
Product Categories/Family for anti-GRPR antibody	Neuroscience; Signal Transduction; GPCR Antibodies
References	Guey, L.T., et al. Eur. Urol. 57(2):283-292(2010) Chapuis, J., et al. Mol. Psychiatry 14(11):1004-1016(2009) Chao, C., et al. J. Surg. Res. 156(1):26-31(2009) Ananias, H.J., et al. Prostate 69(10):1101-1108(2009) Fleischmann, A., et al. Endocr. Relat. Cancer 16(2):623-633(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885361
NCBI GeneID	2925
NCBI Accession #	NP_005305.1
NCBI GenBank Nucleotide #	NM_005314.2
UniProt Accession #	P30550; B2R910; AAB27329
NCBI Official Full Name	gastrin-releasing peptide receptor
NCBI Official Synonym Full Names	gastrin-releasing peptide receptor
NCBI Official Symbol	GRPR
NCBI Official Synonym Symbols	BB2
NCBI Protein Information	gastrin-releasing peptide receptor
UniProt Protein Name	Gastrin-releasing peptide receptor
UniProt Gene Name	GRPR
UniProt Synonym Gene Names	GRP-R
UniProt Entry Name	GRPR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/grpr-antibody-immunohistochemistry-elisa/289712>