

Rabbit GRPR Polyclonal Antibody | anti-GRPR antibody

GRPR Antibody

CATALOG # AAA326851	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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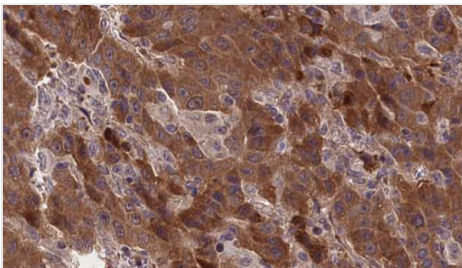
PRODUCT SYNONYMS

GRPR; Polyclonal Antibody; GRPR Antibody; BB2; Bombesin BB2 receptor; bombesin receptor 2; Gastrin Releasing Peptide Receptor; Gastrin-releasing peptide receptor; GRP preferring bombesin receptor; GRP R; GRP-preferring bombesin receptor; GRP-R; Grp/bombesin receptor; Grpr; GRPR_HUMAN; anti-GRPR antibody

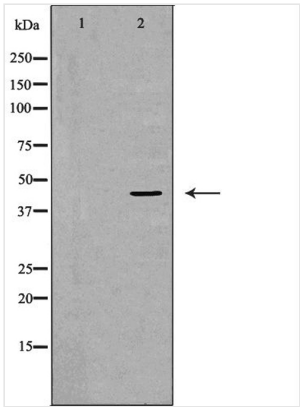
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	GRPR antibody detects endogenous levels of total GRPR
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	384
Applicable Applications for anti-GRPR antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human GRPR
Subcellular Location	Cell Membrane
Tissue Specificity	Highly expressed in pancreas. Also expressed in stomach, adrenal cortex and brain.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326851 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse brain lysate, using GRPR Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GRPR antibody	Description: 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. Function: Receptor for gastrin-releasing peptide (GRP) (PubMed:1655761). Signals via association with G proteins that activate a phosphatidylinositol-calcium second messenger system, resulting in Akt phosphorylation. Contributes to the regulation of food intake. Contributes to the perception of prurient stimuli and transmission of itch signals in the spinal cord that promote scratching behavior, but does not play a role in the perception of pain. Contributes primarily to nonhistaminergic itch sensation. Contributes to long-term fear memory, but not normal spatial memory (By similarity). Similarity: Belongs to the G-protein coupled receptor 1 family.
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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
Molecular Weight	Observed: 43 kDa Predicted: 44 kDa
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; BB2R
NCBI Protein Information	gastrin-releasing peptide receptor
UniProt Protein Name	Gastrin-releasing peptide receptor

UniProt Gene Name	GRPR
UniProt Synonym Gene Names	GRP-R

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://www.aaabiotech.com/polyclonal/grpr-antibody-immunohistochemistry-western-blot-elisa/326851>