

Datasheet for ABIN122617
anti-GRPR antibody (Cytoplasmic Domain)



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Overview

Quantity:	50 µg
Target:	GRPR
Binding Specificity:	Cytoplasmic Domain
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRPR antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide - KLH conjugated
Specificity:	Reacts with Gastrin-releasing peptide receptor at 3rd cytoplasmic domain. BLAST analysis of the peptide immunogen showed no homology with other Human proteins, except ADAM28 (41 %).
Cross-Reactivity (Details):	Species reactivity (expected):Mouse, Rat (see 'Immunogen Remarks'). Species reactivity (tested):Human.
Purification:	Immunoaffinity chromatography

Target Details

Target:	GRPR
Alternative Name:	Gastrin-Releasing Peptide Receptor (GRPR Products)

Target Details

Background:	Gastrin-releasing peptide receptor (GRPR) is a bombesin receptor. In addition to its involvement in autism and mental retardation, GRPR may also play a role in the progression of cancer. Nicotine exposure induces an increase in GRPR expression in the lung. GRPR has been reported in brain, breast, colon, lung, lymph node, ovary, placenta, prostate, stomach, and uterus. It has also been shown to be expressed in several cancers, including those in breast, colon, lung, ovary, pancreas, and prostate. Synonyms: GRP-R, GRP-preferring bombesin receptor, GRPR
Gene ID:	2925
UniProt:	P30550

Application Details

Application Notes:	Immunocytochemistry: 5 µg/mL. Immunohistochemistry on frozen sections. Immunohistochemistry on paraffin embedded sections. Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0, at 99-100 °C for 20 min. Remove from heat and let stand at room temperature in buffer for 20 min. Rinse in 1x TBS with Tween (TBST) for 1 min. at room temperature. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. Further Comments: This product was originally produced by MBL International.
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Restrictions:	For Research Use only
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Handling

Concentration:	1.0 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C to -70 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Expiry Date:	12 months