

Datasheet for ABIN952465
anti-GRPR antibody (Middle Region)

3 Images

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Overview

Quantity:	0.4 mL
Target:	GRPR
Binding Specificity:	AA 130-160, Middle Region
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GRPR antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide between 130~160 amino acids from the Central region of Human Gastrin-releasing peptide receptor Genename: GRPR
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human Gastrin-releasing peptide receptor (Center).
Purification:	Protein A column, followed by peptide affinity purification

Target Details

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

Target Details

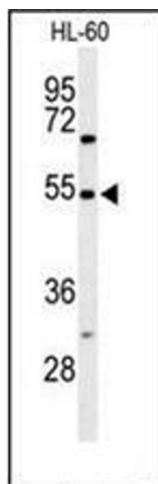
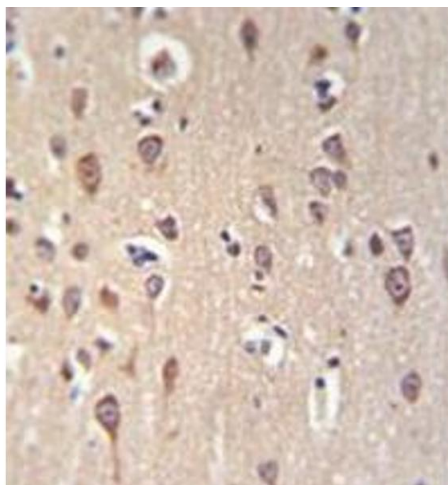
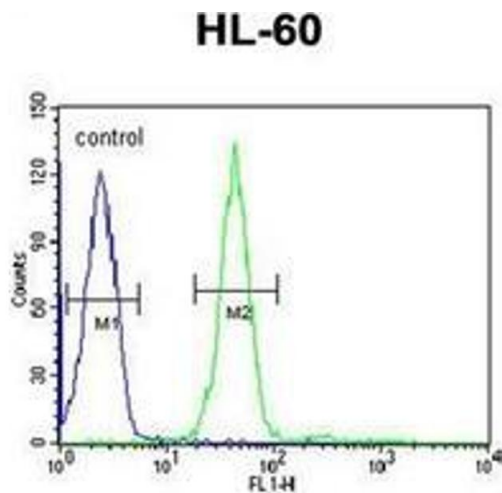
Background:	Gastrin-releasing peptide (GRP) regulates numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation and is a potent mitogen for neoplastic tissues. The effects of 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.Synonyms: GRP-R, GRP-preferring bombesin receptor, GRPR
Molecular Weight:	43199 Da
Gene ID:	2925
NCBI Accession:	NP_005305

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS containing 0.09 % (W/V) Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. Flow cytometric analysis of HL-60 cells using GRPR Antibody (Center) Cat.-No AP51959PU-N (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry analysis in formalin fixed and paraffin embedded brain tissue reacted with GRPR Antibody (Center) followed by peroxidase conjugation of the secondary antibody and DAB staining.

Western Blotting

Image 3. Western blot analysis of GRPR Antibody (Center) in HL-60 cell line lysates (35ug/lane). GRPR (arrow) was detected using the purified Pab.