# **Elabscience**®

# **GRPR** Polyclonal Antibody

## catalog number: E-AB-12444

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description	
Reactivity	Human;Mouse;Rat
Immunogen	Synthetic peptide of human GRPR
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.
Applications	Recommended Dilution
WB	1:200-1:1000
IHC	1:50-1:200

#### Data



Western Blot analysis of Human hepatocellular carcinoma tissue and A549 cell using GRPR Polyclonal Antibody at dilution of 1:300

Calculated-MW:43 kDa



Immunohistochemistry of paraffin-embedded Human cervical cancer using GRPR Polyclonal Antibody at dilution of 1:40

Immunohistochemistry of paraffin-embedded Human esophagus cancer using GRPR Polyclonal Antibody at dilution of 1:40

 Preparation & Storage
 Storage

 Storage
 Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

 Shipping
 The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

### Background

### For Research Use Only

Toll-free: 1-888-852-8623 Web:<u>w w .elabscience.com</u>

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# **Elabscience**®

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.

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