GRPR Polyclonal Antibody

Catalog Number:E-AB-12444

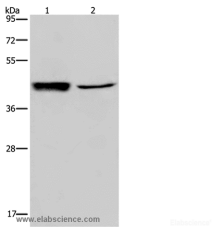
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

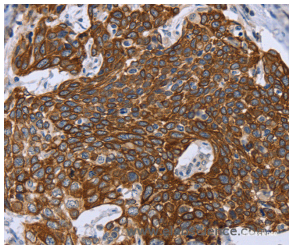
Reactivity	Human,Mouse,Rat
Immunogen	Synthetic peptide of human GRPR
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

Applications	Recommended Dilution
WB	1:200-1:1000
IHC	1:50-1:200

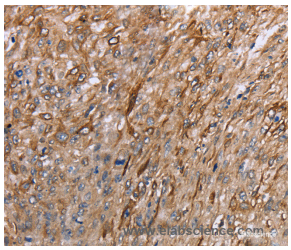
Data



Western Blot analysis of Human hepatocellular carcinoma tissue and A549 cell using GRPR Polyclonal Antibody at dilution of 1:300
Calculated Mw:43kDa



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	Store at -20℃. Avoid freeze / thaw cycles.

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.

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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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