Product Datasheet

GRPR Antibody

Catalog No: #31200

Package Size: #31200-1 50ul #31200-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GRPR Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total GRPR protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to a region derived from 350-365 amino acids of Human gastrin-releasing peptide receptor
Target Name	GRPR
Other Names	gastrin-releasing peptide receptor
Accession No.	Genbank No.: NP_005305
Formulation	Supplied at 1.2mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

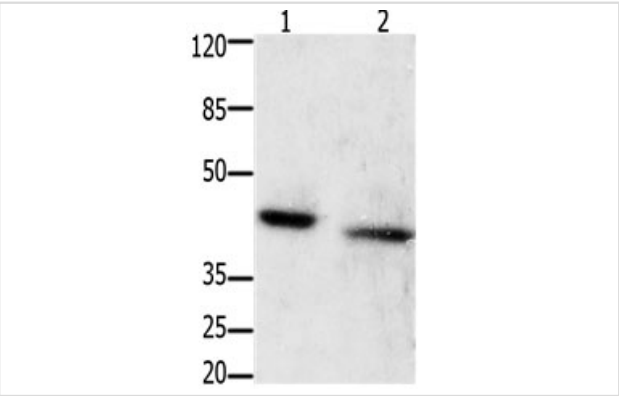
Predicted MW: 43kd

ELISA: 1:1000-1:5000

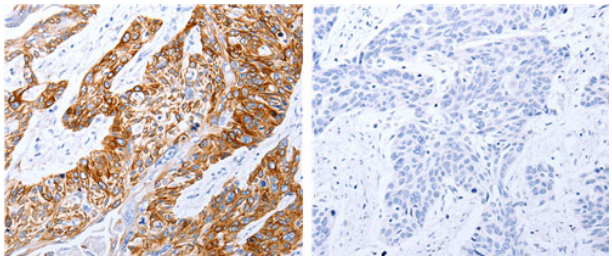
Western blotting: 1:1000-1:2000

Immunohistochemistry: 1:25-1:100

Images



Gel: 10%SDS-PAGE
Lane1: Mouse pancreas tissue lysate
Lane2: A549 cell lysate
Lysates: 40 ug per lane
Primary antibody: 1/600 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at 1/10000 dilution
Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using 31120(GRPR Antibody) at dilution 1/25, on the right is treated with the synthetic peptide.

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.