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	ELISA 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.	Swiss-Prot:P30550Gene ID:2925;
Uniprot	P30550
GeneID	2925;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

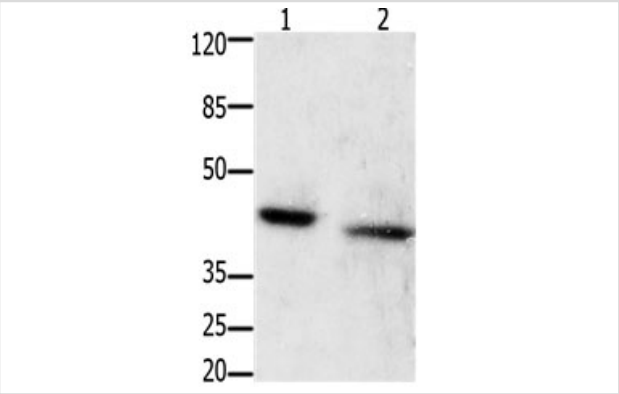
Predicted MW: 43kd

ELISA: 1:1000-1:5000

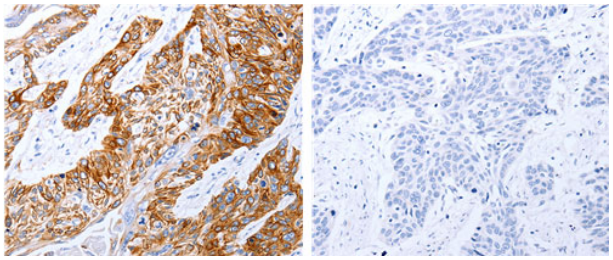
Western blotting: 1:1000-1:2000

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