

For Research Use Only

TGR5/GPBAR1 Polyclonal antibody

Catalog Number: 26739-1-AP

4 Publications



Basic Information

Catalog Number:

26739-1-AP

Concentration:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24893

GenBank Accession Number:

BC033625

GeneID (NCBI):

151306

UNIPROT ID:

Q8TDU6

Full Name:

G protein-coupled bile acid receptor 1

Calculated MW:

35 kDa

Observed MW:

32 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

human

Positive Controls:

WB : Caco-2 cells,

Background Information

TGR5, also known as GPBAR1 (G-protein coupled bile acid receptor 1) or M-BAR, is a cell-surface receptor for bile acid which belongs to the G-protein coupled receptor 1 family (20236244). TGR5 gene expression is widely distributed, including endocrine glands, adipocytes, muscles, immune organs, spinal cord, and the enteric nervous system (24411485, 20665558, 22521118). TGR5 activation has some important biological effects such as anti-inflammatory, energy homeostasis and metabolism, anti-apoptotic, and choleretic functions (24411485, 22521118). In addition, TGR5 is related to several diseases, such as Metabolic and cardiovascular disorders, Hepatic and pancreatic disorders, Inflammatory bowel diseases, Gastrointestinal cancer, and so on (24411485).

Notable Publications

Author	Pubmed ID	Journal	Application
Bao-Xin Zheng	40279965	Phytomedicine	WB
Zhiqiang Chen	39515098	Phytomedicine	WB, IHC
Li Sun	39111149	Int Immunopharmacol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

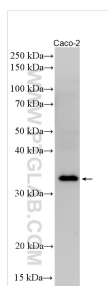
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 26739-1-AP (GPBAR1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.