

For Research Use Only

GPBAR1 Polyclonal antibody

Catalog Number: 26739-1-AP



Basic Information

Catalog Number: 26739-1-AP	GenBank Accession Number: BC033625	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 151306	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	Full Name: G protein-coupled bile acid receptor 1	
Isotype: IgG	Calculated MW: 35 kDa	
Immunogen Catalog Number: AG24893	Observed MW: 32 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Caco-2 cells, IHC : mouse brain tissue,
Species Specificity: human, mouse	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

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

Storage

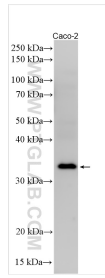
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

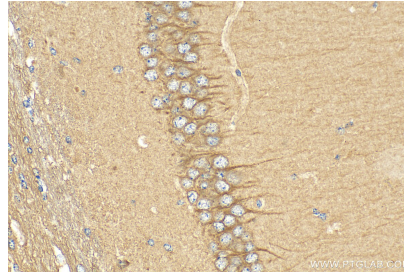
For technical support and original validation data for this product please contact:
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Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 26739-1-AP (GPBAR1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).