

TGR5 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08987
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human GPBAR. AA range:11-60
Mol wt	35248
Species reactivity	Human
Clonality	Polyclonal
Recommended application	IF, ELISA
Concentration	1 mg/ml
Full name	TGR5 Antibody
Synonyms	GPBAR1; TGR5; G-protein coupled bile acid receptor 1; G-protein coupled receptor GPCR19; hGPCR19; Membrane-type receptor for bile acids; M-BAR; hBG37; BG37

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

GPBAR1 encodes a member of the G protein-coupled receptor (GPCR) superfamily. This enzyme functions as a cell surface receptor for bile acids. Treatment of cells expressing this GPCR with bile acids induces the production of intracellular cAMP, activation of a MAP kinase signaling pathway, and internalization of the receptor. The receptor is implicated in the suppression of macrophage functions and regulation of energy homeostasis by bile acids. Alternative splicing results in multiple transcript variants encoding the same protein.

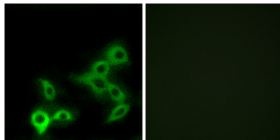
Recommended Dilution

IF: 1: 200 - 1: 1000

ELISA: 1: 10000

Not yet tested in other applications.

Images



Immunofluorescence analysis of LOVO cells, using GPBAR Antibody. The picture on the right is blocked with the synthesized peptide.

Storage

-20°C for one year