

GPBAR1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15071

Product Information

Application	WB
Primary Accession	Q8TDU6
Other Accession	NM_170699 , NP_733800
Reactivity	Human, Rat
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	35248

Additional Information

Gene ID	151306
Alias Symbol Other Names	BG37, GPCR, GPCR19, GPR131, M-BAR, MGC40597, TGR5 G-protein coupled bile acid receptor 1, G-protein coupled receptor GPCR19, hGPCR19, Membrane-type receptor for bile acids, M-BAR, hBG37, BG37, GPBAR1, TGR5
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-GPBAR1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	GPBAR1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

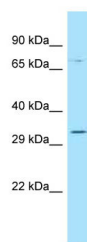
Name	GPBAR1
Synonyms	TGR5
Function	Receptor for bile acid. Bile acid-binding induces its internalization, activation of extracellular signal-regulated kinase and intracellular cAMP production. May be involved in the suppression of macrophage functions by bile acids.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Ubiquitously expressed. Expressed at higher level in spleen and placenta.

Expressed at lower level in other tissues. In digestive tissues, it is expressed in stomach, duodenum, ileocecum, ileum, jejunum, ascending colon, transverse colon, descending colon, cecum and liver, but not in esophagus and rectum

References

Maruyama T.,et al.Biochem. Biophys. Res. Commun. 298:714-719(2002).
Kawamata Y.,et al.J. Biol. Chem. 278:9435-9440(2003).
Takeda S.,et al.FEBS Lett. 520:97-101(2002).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Images



WB Suggested Anti-GPBAR1 Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.