

# GPBAR1 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI15071

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8TDU6</a>
<b>Other Accession</b>	<a href="#">NM_170699</a> , <a href="#">NP_733800</a>
<b>Reactivity</b>	Human, Rat
<b>Predicted</b>	Human
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	35248

## Additional Information

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<b>Gene ID</b>	151306
<b>Alias Symbol</b> <b>Other Names</b>	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
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	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.
<b>Precautions</b>	GPBAR1 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	GPBAR1
<b>Synonyms</b>	TGR5
<b>Function</b>	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.
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein
<b>Tissue Location</b>	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

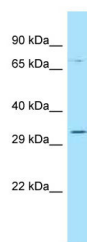
## References

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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

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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'.