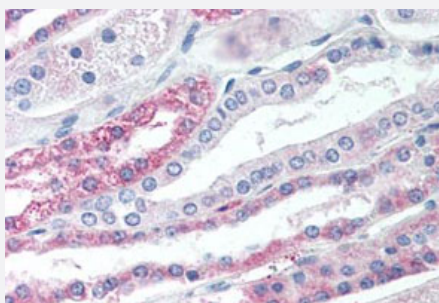


# GPBAR1 polyclonal antibody

Catalog # PAB27710

Size 50 ug

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) of human kidney tissue with GPBAR1 polyclonal antibody (Cat # PAB27710). Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic peptide of GPBAR1.
<b>Immunogen</b>	A synthetic peptide corresponding to 16 amino acid at cytoplasmic domain of human GPBAR1.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Specificity</b>	BLAST analysis of the peptide immunogen showed no homology with other human proteins.
<b>Form</b>	Liquid
<b>Purification</b>	Immunoaffinity chromatography
<b>Recommend Usage</b>	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (18 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.09% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

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## Gene Info — GPBAR1

**Entrez GeneID** [151306](#)

**Protein Accession#** [Q8TDU6](#)

**Gene Name** GPBAR1

**Gene Alias** BG37, GPCR, GPCR19, GPR131, M-BAR, MGC40597, TGR5

**Gene Description** G protein-coupled bile acid receptor 1

**Omim ID** [610147](#)

**Gene Ontology** [Hyperlink](#)

**Gene Summary** This gene 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. [provided by RefSeq]

**Other Designations** G-protein coupled bile acid receptor BG37|membrane bile acid receptor|membrane-type receptor for bile acids

## Disease

- [Cholangitis](#)
- [Colitis](#)
- [Diabetes Mellitus](#)

- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)