

GPBAR1 / TGR5 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS10472**Specification**

GPBAR1 / TGR5 Antibody (C-Terminus) - Product Information

Application	IHC-P
Primary Accession	Q8TDU6
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	35 KDa
Dilution	IHC-P~~N/A

GPBAR1 / TGR5 Antibody (C-Terminus) - Additional Information**Gene ID** 151306**Other Names**

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

Target/Specificity

Human TGR5. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Format

PBS, less than 0.1% sodium azide.

Reconstitution & Storage

Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze thaw cycles.

Precautions

GPBAR1 / TGR5 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

GPBAR1 / TGR5 Antibody (C-Terminus) - 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

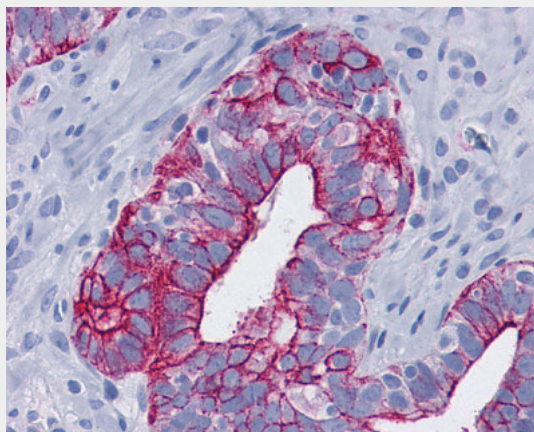
Volume

Array

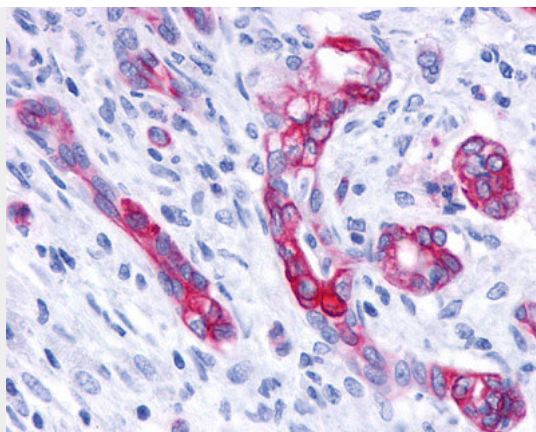
GPBAR1 / TGR5 Antibody (C-Terminus) - Protocols

Provided below are standard protocols that you may find useful for product applications.

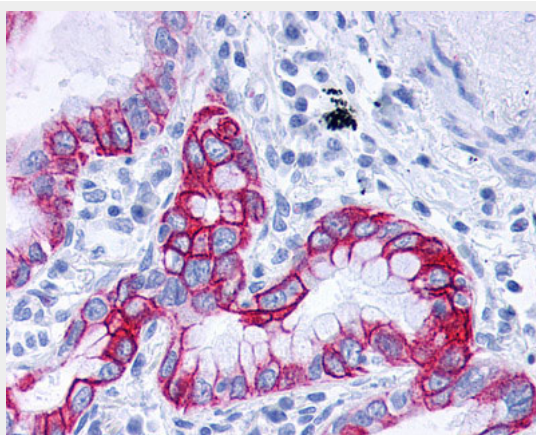
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GPBAR1 / TGR5 Antibody (C-Terminus) - Images

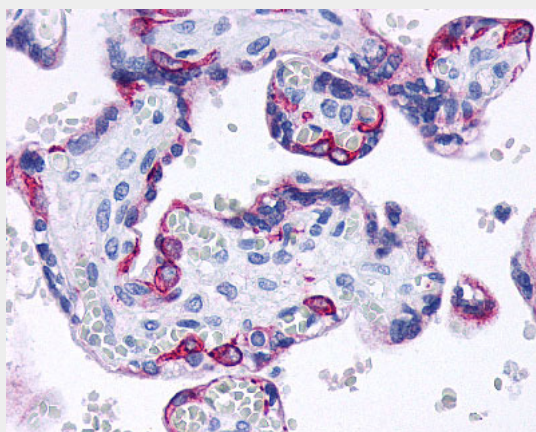
Anti-GPBAR1 / TGR5 antibody IHC of human Ovary, Carcinoma.



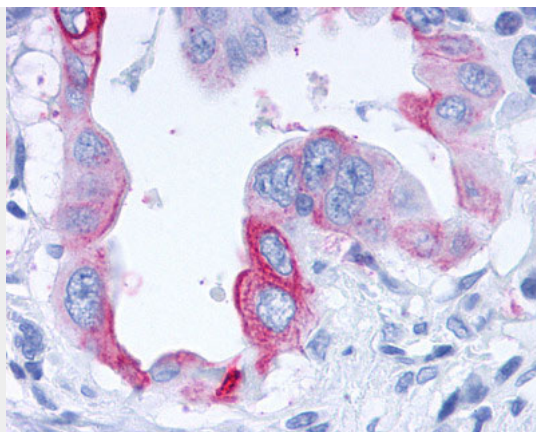
Anti-GPBAR1 / TGR5 antibody IHC of human Pancreas, Carcinoma.



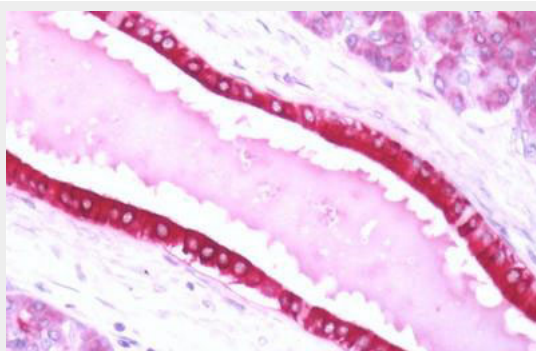
Anti-GPBAR1 / TGR5 antibody IHC of human Lung, Adenocarcinoma.



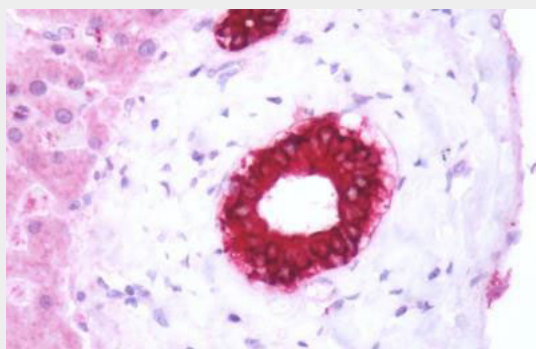
Anti-TGR5 antibody ALS10472 IHC of human placenta.



Anti-GPBAR1 / TGR5 antibody IHC of human colon, carcinoma.



Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)



Human Liver: Formalin-Fixed, Paraffin-Embedded (FFPE)

GPBAR1 / TGR5 Antibody (C-Terminus) - Background

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.

GPBAR1 / TGR5 Antibody (C-Terminus) - 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.