

Product datasheet

Anti-GPCR TGR5 antibody ab72608

[33 References](#) [3 Images](#)

Overview

Product name	Anti-GPCR TGR5 antibody
Description	Rabbit polyclonal to GPCR TGR5
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB Unsuitable for: ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide corresponding to a region between residues 250 and 300 of human GPCR TGR5 (NP_733800.1).
General notes	<p>GPCR is multi pass membrane protein, customers may try heating the lysates for 15-20 minutes at 60-70C instead of boiling the samples. Non fat dry milk as blocking agent seems effective than BSA with current lot. Please contact technical support team for more information.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.40 Preservative: 0.05% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab72608 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		1/1000 - 1/5000. Detects a band of approximately 33 kDa (predicted molecular weight: 35 kDa). Block the membrane in 5% Non-fat milk in TBST (blocking buffer) for at least 1 hour. Dilute primary antibody in blocking buffer and incubate overnight at 4C with gentle rocking.

Application notes Is unsuitable for ICC/IF.

Target

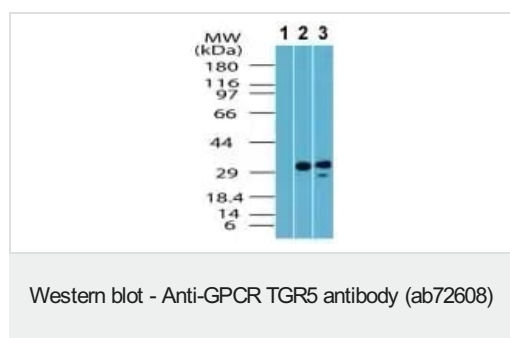
Function Receptor for bile acid. Bile acid-binding induces its internalization, activation of extracellular signal-regulated kinase and intracellular cAMP production. May be involved in the suppression of macrophage functions by bile acids.

Tissue specificity 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.

Sequence similarities Belongs to the G-protein coupled receptor 1 family.

Cellular localization Cell membrane.

Images



Lanes 2-3 : Anti-GPCR TGR5 antibody (ab72608) at 1/1000 dilution

Lane 1 : Pre-immune serum

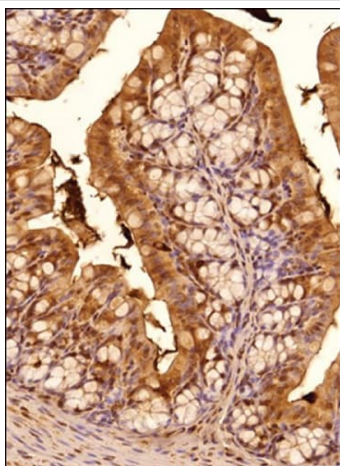
Lane 2 : Human spleen lysate

Lane 3 : Mouse spleen lysate

Predicted band size: 35 kDa

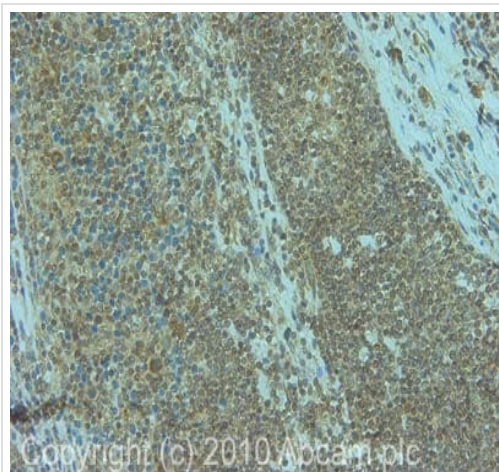
Observed band size: 33 kDa

Additional bands at: 27 kDa. We are unsure as to the identity of these extra bands.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GPCR TGR5 antibody (ab72608)

Formalin-fixed, paraffin-embedded mouse colon tissue stained for GPCR TGR5 with ab72608 at 1/200 dilution in immunohistochemical analysis. DAB staining. Counter stained with Hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GPCR TGR5 antibody (ab72608)

IHC image of ab72608 staining in human tonsil formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab72608, at 1/100 dilution, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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