

Product datasheet for **TA336959**

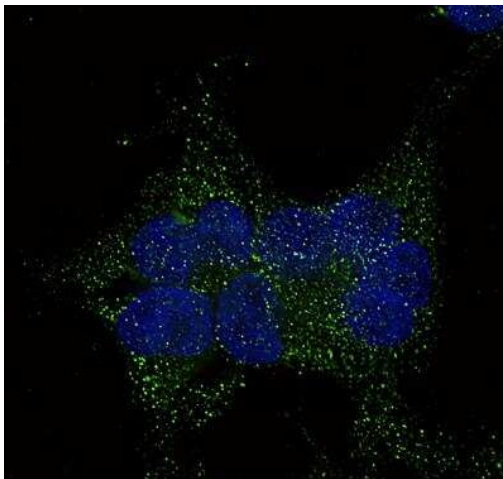
GPBAR1 Rabbit Polyclonal Antibody

Product data:

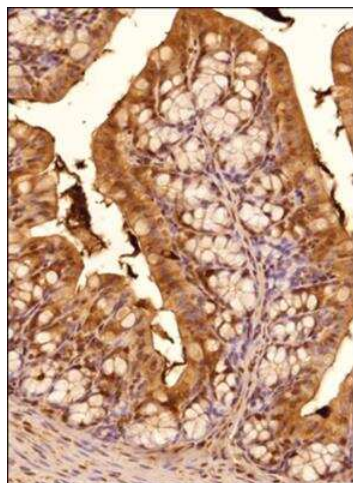
Product Type:	Primary Antibodies
Applications:	ICC/IF, IHC, WB
Recommended Dilution:	Knockdown Validated, Immunohistochemistry: 1:200-1:500, Immunohistochemistry-Paraffin: 1:200-1:500, Immunocytochemistry/ Immunofluorescence: 2 ug/ml, Western Blot: 1 - 2 ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	A portion of amino acid 250-300 of human BG37/TGR5 was used as the immunogen.
Formulation:	Store at -20C. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Whole antisera
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	G protein-coupled bile acid receptor 1
Database Link:	NP_733800 Entrez Gene 227289 MouseEntrez Gene 338443 RatEntrez Gene 151306 Human Q8TDU6
Synonyms:	BG37; GPCR19; GPR131; M-BAR; TGR5
Protein Families:	Druggable Genome



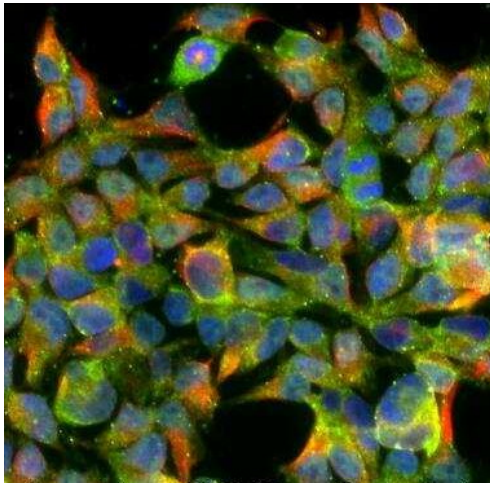
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Product images:

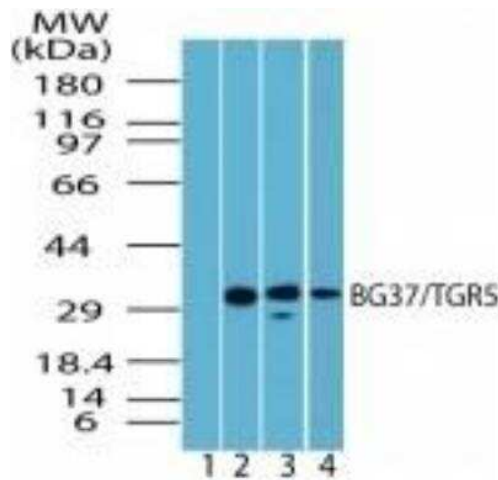
Immunocytochemistry/Immunofluorescence: TGR5/GPBAR1 Antibody TA336959 - Hek293 cells were fixed in 4% paraformaldehyde for 10 minutes and permeabilized in 0.05% Triton X-100 in PBS for 5 minutes. The cells were incubated with anti-TGR5/GPBAR1 Antibody TA336959 at 2 ug/ml overnight at 4C and detected with an anti-rabbit Dylight 488 (Green) at a 1:1000 dilution for 60 minutes. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 100X objective and digitally deconvolved.



Immunohistochemistry-Paraffin: TGR5/GPBAR1 Antibody TA336959 - Tissue section of mouse colon using TGR5/GPBAR1 antibody at 1:200 dilution. The signal was detected using HRP-labelled secondary antibody and DAB staining which followed counterstaining with hematoxylin. This TGR5/GPBAR1 antibody generated a very specific cytoplasmic staining primarily in the columnar epithelial cells. A subset of cells from mucosa muscularis and the lamina propria also showed TGR5 positivity. Some cells in all histological layers depicted a nuclear staining also.



Immunocytochemistry/Immunofluorescence: TGR5/GPBAR1 Antibody TA336959 - Hek293 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.05% Triton X-100. The cells were incubated with anti-TGR5/GPBAR1 at 2 ug/mL overnight at 4C and detected with an anti-rabbit DyLight 488 (Green) at a 1:500 dilution. Alpha tubulin (DM1A) NB100-690 was used as a co-stain at a 1:1000 dilution and detected with an anti-mouse DyLight 550 (Red) at a 1:500 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective.



Western Blot: TGR5/GPBAR1 Antibody TA336959 - Analysis of spleen lysate. (1) Pre-immune sera. TGR5/GPBAR1 antibody tested on (2) Human 1:1000, (3) Mouse 1:5000, and (4) Rat 1:5000 spleen lysates.