Datasheet for ABIN1694561

anti-GPBAR1 antibody (Alexa Fluor 488)

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Overview

Quantity:	100 µL
Target:	GPBAR1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GPBAR1 antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human GPBAR1
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	GPBAR1
Alternative Name:	GPCR TGR5/GPBAR1 (GPBAR1 Products)
Background:	Synonyms: BG 37, BG37, G protein coupled bile acid receptor 1, G protein coupled bile acid receptor BG 37, G protein coupled bile acid receptor BG37, G-protein coupled bile acid receptor 1, G-protein coupled receptor GPCR19, GPBAR 1, GPBAR_HUMAN, GPBAR1, GPCR 19, GPCR, GPCR19, GPR 131, GPR131, hBG 37, hBG37, hGPCR 19, hGPCR19, M BAR, M-BAR, Membrane

Target Details

	bile acid receptor, Membrane type receptor for bile acids, Membrane-type receptor for bile acids, MGC40597, TGR 5, TGR5. Background: The G protein-coupled receptor TGR5 is a 330-amino acid protein that is almost universally expressed in human tissues including heart, skeletal muscle, spleen, kidney, liver, small intestine, placenta, and leukocytes, but not in brain, colon (without mucosa), thymus, or lung. TGR5 is sensitive to bile acids and responds through a significant mechanism that coordinates energy homeostasis. Bile acids activate mitogen-activated protein (MAP) kinase pathways, specifically induce TGR5 internalization, promote an increase of guanosine 5'-O-3-thio-triphosphate binding in membrane fractions, and cause rapid intracellular cAMP production. Bile acids also provoke TGR5 to suppress macrophage functions. TGR5-controlled signaling pathways may be good candidates for drug targets to treat common metabolic diseases, such as obesity, type II diabetes, hyperlipidemia, and atherosclerosis.
Gene ID:	151306
Pathways:	WNT Signaling, Hormone Transport, Sensory Perception of Sound

Application Details

Application Notes:	IF(IHC-P) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months