

# Immunotag™ GPR43 Polyclonal Antibody

Antibody Specification	
Catalog No.	ITT2022
Product Description	Immunotag™ GPR43 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	GPR43
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	IF,ELISA
Recommended Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human FFAR2. AA range:271-320
Specificity	GPR43 Polyclonal Antibody detects endogenous levels of GPR43 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	FFAR2
Accession No.	O15552 Q8VCK6
Alternate Names	FFAR2; GPR43; Free fatty acid receptor 2; G-protein coupled receptor 43
Description	free fatty acid receptor 2(FFAR2) Homo sapiens This gene encodes a member of the GP40 family of G protein-coupled receptors that are clustered together on chromosome 19. The encoded protein is a receptor for short chain free fatty acids and may be involved in the inflammatory response and in regulating lipid plasma levels. [provided by RefSeq, Apr 2009],

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Subcellular Localization	plasma membrane,integral component of plasma membrane,integral component of membrane,cell projection,
Protein Function	function:Receptor for short chain fatty acids through a G(i)-protein-mediated inhibition of adenylyl cyclase and elevation of intracellular calcium. The rank order of potency for agonists of this receptor is acetate= propionate = butyrate > pentanoate = formate.,similarity:Belongs to the G-protein coupled receptor 1 family.,tissue specificity:Expressed at relatively high levels in peripheral blood leukocytes and, to lesser, extent, in spleen.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.