

Rabbit GPCR GPR43 / FFAR2 Polyclonal Antibody | anti-GPCR GPR43 antibody

GPCR GPR43 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA75872	Rabbit	Human, Monkey	Western Blot, Immunoprecipitation, Immunohistochemistry, ELISA, Dot Blot

PRODUCT SYNONYMS

GPCR GPR43 / FFAR2; Polyclonal Antibody; GPCR GPR43 Antibody; FFA2R; free fatty acid activated receptor 2; Free fatty acid receptor 2; G-protein coupled receptor 43; GPR 43 antibody; anti-GPCR GPR43 antibody

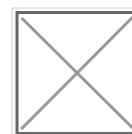
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Form/Format	Affinity Purified
Concentration	0.58-0.59 ug/ul in antibody stabilization buffer (varies by lot)
Sequence Length	330
Applicable Applications for anti-GPCR GPR43 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry), ELISA, DB (Dot Blot)
Immunogen	Synthetic peptide taken within amino acid region 280-330 on human free fatty acid receptor 2 protein.
Expression	Detected in whole wall and separated mucosa in the distal ileum and colon. Expressed by enteroendocrine cells expressing peptide YY (PYY) (at protein level).
Determinant	C-epitope
Molecular Function	G-protein coupled receptor, Receptor, Transducer
Structure	Interacts with FCN1 (via Fibrinogen C-terminal domain).
Subcellular Location	Cell membrane; Multi-pass membrane protein
Preparation and Storage	-20• degree C for long term storage

IMAGES



IHC (Immunohistochemistry)



IHC (Immunohistochemistry)

ADDITIONAL INFORMATION

Related Product Information for anti- GPCR GPR43 antibody	Affinity Purified Free fatty acid receptor 2 Antibody C-epitope G protein-coupled receptor that is activated by a major product of dietary fiber digestion, the short chain fatty acids (SCFAs), and that plays a role in the regulation of whole-body energy homeostasis and in intestinal immunity. In omnivorous mammals, the short chain fatty acids acetate, propionate and butyrate are produced primarily by the gut microbiome that metabolizes dietary fibers. SCFAs serve as a source of energy but also act as signaling molecules. That G protein-coupled receptor is probably coupled to the pertussis toxin-sensitive, G(i/o)-alpha family of G proteins but also to the Gq family.
Product Categories/Family for anti- GPCR GPR43 antibody	Primary Antibodies; Signal Transduction; G-Protein Coupled Receptors; GPCR GPR43/FFAR2 Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885333
NCBI GeneID	2867
NCBI Accession #	NP_005297.1
NCBI GenBank Nucleotide #	NM_005306.2
UniProt Accession #	O15552; Q4VAZ3; Q4VAZ5; Q4VBL5; B0M0J9
Molecular Weight	37,144 Da
NCBI Official Full Name	free fatty acid receptor 2
NCBI Official Synonym Full Names	free fatty acid receptor 2
NCBI Official Symbol	FFAR2
NCBI Official Synonym Symbols	FFA2R; GPR43
NCBI Protein Information	free fatty acid receptor 2
UniProt Protein Name	Free fatty acid receptor 2
UniProt Gene Name	FFAR2
UniProt Synonym Gene Names	FFA2; GPCR43; GPR43
UniProt Entry Name	FFAR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpcr-gpr43-ffar2-antibody-western-blot-immunoprecipitation-immunohistochemistry-dot-blot-elisa/75872>