



GPR43 Polyclonal Antibody

Catalog No	YP-Ab-13340
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	IF;ELISA
Gene Name	FFAR2
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.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	FFA2;FFA2R;free fatty acid receptor 2;G protein coupled receptor 43;GPCR43;GPR43;FFAR2;G-protein coupled receptor 43
Observed Band	
Calculated Molecular Weight	
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Expressed at relatively high levels in peripheral blood leukocytes and, to lesser extent, in spleen.
Function	function:Receptor for short chain fatty acids through a G(i)-protein-mediated inhibition of adenyl 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.,
Background	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],

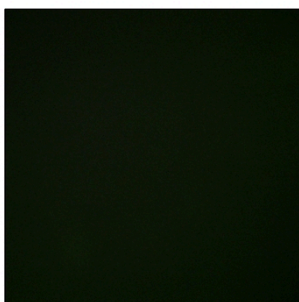
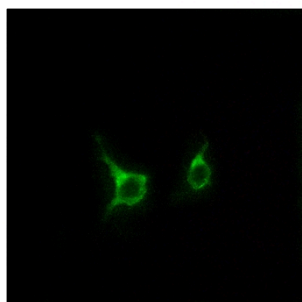
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Immunofluorescence analysis of COS7 cells, using FFAR2 Antibody. The picture on the right is blocked with the synthesized peptide.