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**Product Name: GPR43 Rabbit Polyclonal Antibody****Catalog #: APRab11686**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	ICC/IF,ELISA
<b>Reactivity</b>	Human,Rat,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

**Dilution Ratio** ICC/IF 1:200-1:1000,ELISA 1:5000-1:10000

**Molecular Weight**

**Antigen Information**

<b>Gene Name</b>	FFAR2
<b>Alternative Names</b>	FFAR2; GPR43; Free fatty acid receptor 2; G-protein coupled receptor 43
<b>Gene ID</b>	2867.0
<b>SwissProt ID</b>	O15552
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FFAR2. AA range:271-320

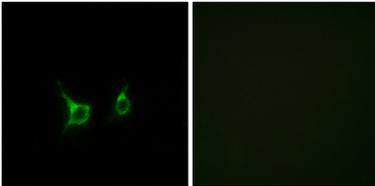
**Background**

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],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.,

## Research Area

## Image Data



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