

**GPR41 rabbit pAb****Cat#: orb768493 (Manual)**

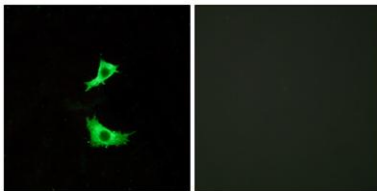
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<b>Product Name</b>	GPR41 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FFAR3. AA range:11-60
<b>Specificity</b>	GPR41 Polyclonal Antibody detects endogenous levels of GPR41 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Free fatty acid receptor 3
<b>Gene Name</b>	FFAR3
<b>Cellular localization</b>	Cell membrane ; Multi-pass membrane protein .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal

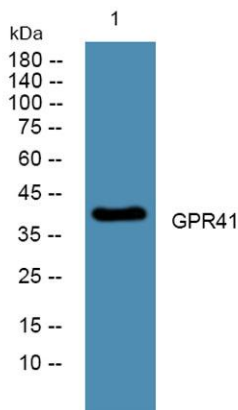
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	38kD
<b>Human Gene ID</b>	2865
<b>Human Swiss-Prot Number</b>	O14843
<b>Alternative Names</b>	FFAR3; GPR41; Free fatty acid receptor 3; G-protein coupled receptor 41

## Background

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 propionate = pentanoate = butyrate > acetate > formate., similarity: Belongs to the G-protein coupled receptor 1 family., tissue specificity: Highest level in adipose tissue, and lower expression across all tissues tested.,



Immunofluorescence analysis of LOVO cells, using FFAR3 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night