

## GPR41 Polyclonal Antibody

<b>Catalog No :</b>	YT2020
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;IF;ELISA
<b>Target :</b>	GPR41
<b>Gene Name :</b>	FFAR3
<b>Protein Name :</b>	Free fatty acid receptor 3
<b>Human Gene Id :</b>	2865
<b>Human Swiss Prot No :</b>	O14843
<b>Mouse Gene Id :</b>	233080
<b>Mouse Swiss Prot No :</b>	Q3UFD7
<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>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 38kD

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**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.,

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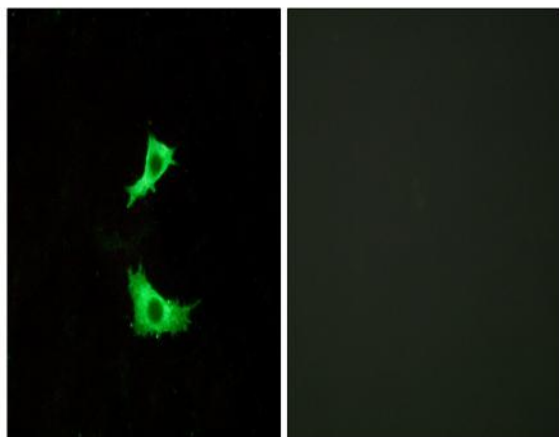
**Subcellular Location :** Cell membrane ; Multi-pass membrane protein .

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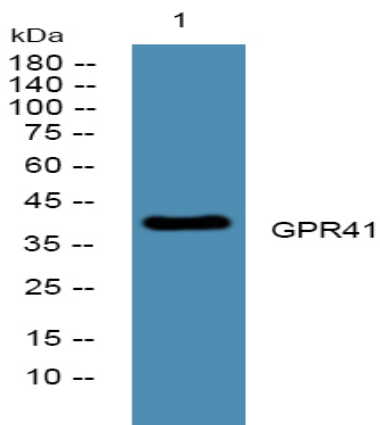
**Expression :** Highest level in adipose tissue, and lower expression across all tissues tested. Expressed in sympathetic ganglia.

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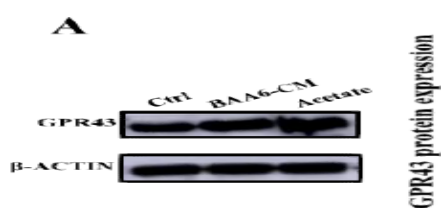
## Products Images



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



*Bifidobacterium animalis* subsp. *lactis* A6 Enhances Fatty Acid  $\beta$ -Oxidation of Adipose Tissue to Ameliorate the Development of Obesity in Mice Nutrients. 2022 Jan;14(3):598. WB Mouse epididymal adipose tissues

