



# GPR41 Monoclonal Antibody

<b>Catalog No</b>	YP-mAb-13338
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB
<b>Gene Name</b>	FFAR3
<b>Protein Name</b>	Free fatty acid receptor 3
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human FFAR3. AA range:11-60
<b>Specificity</b>	GPR41 Monoclonal 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>	Monoclonal, mouse,IgG
<b>Purification</b>	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	FFAR3; GPR41; Free fatty acid receptor 3; G-protein coupled receptor 41
<b>Observed Band</b>	38kD
<b>Cell Pathway</b>	Cell membrane ; Multi-pass membrane protein .
<b>Tissue Specificity</b>	Highest level in adipose tissue, and lower expression across all tissues tested. Expressed in sympathetic ganglia.
<b>Function</b>	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.,
<b>Background</b>	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.,



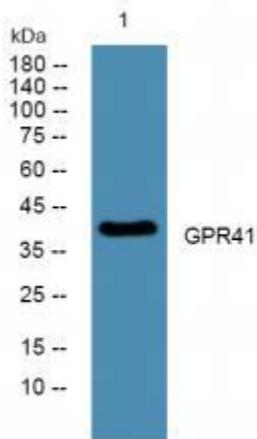
**matters needing attention**

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



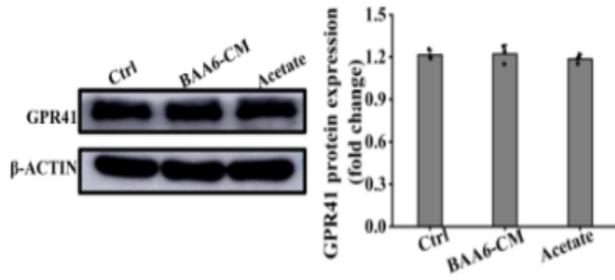
Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night



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.  
epididymal adipose tissues

WB Mouse



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