



GPR41 Polyclonal Antibody

Catalog No	BYab-13338
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;IF;ELISA
Gene Name	FFAR3
Protein Name	Free fatty acid receptor 3
Immunogen	The antiserum was produced against synthesized peptide derived from human FFAR3. AA range:11-60
Specificity	GPR41 Polyclonal Antibody detects endogenous levels of GPR41 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	Western Blot: 1/500 - 1/2000. 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	FFAR3; GPR41; Free fatty acid receptor 3; G-protein coupled receptor 41
Observed Band	38kD
Cell Pathway	Cell membrane ; Multi-pass membrane protein .
Tissue Specificity	Highest level in adipose tissue, and lower expression across all tissues tested. Expressed in sympathetic ganglia.
Function	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.,
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

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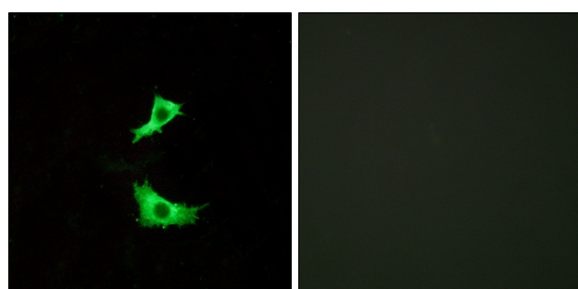
matters needing attention

Avoid repeated freezing and thawing!

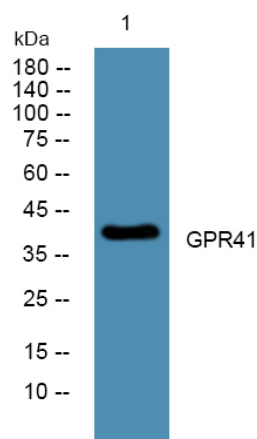
Usage suggestions

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

Products Images



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



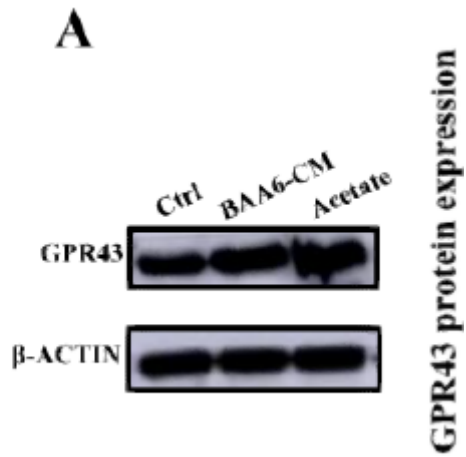
Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4° over night

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

