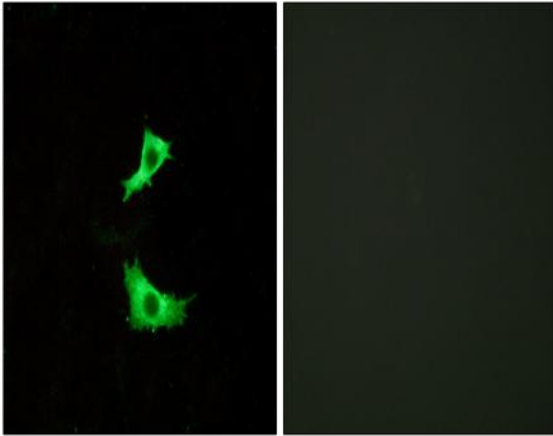


GPR41 Polyclonal Antibody

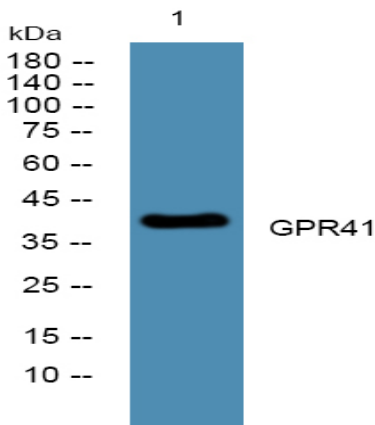
Catalog No :	YT2020
Reactivity :	Human;Mouse
Applications :	WB;IF;ELISA
Target :	GPR41
Gene Name :	FFAR3
Protein Name :	Free fatty acid receptor 3
Human Gene Id :	2865
Human Swiss Prot No :	O14843
Mouse Gene Id :	233080
Mouse Swiss Prot No :	Q3UFD7
Immunogen :	The antiserum was produced against synthesized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

Observed Band :	38kD
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.,
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.,
Subcellular Location :	Cell membrane ; Multi-pass membrane protein .
Expression :	Highest level in adipose tissue, and lower expression across all tissues tested. Expressed in sympathetic ganglia.
Tag :	orthogonal
Sort :	1
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

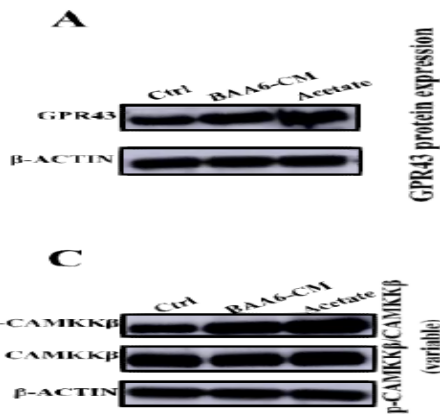
Products Images



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 β -Oxidation of Adipose Tissue to Ameliorate the Development of Obesity in Mice Nutrients. 2022 Jan;14(3):598. WB Mouse epididymal adipose tissues