# GPR41 Monoclonal Antibody

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| **Catalog No** | YP-mAb-13338 |
| **Isotype** | IgG |
| **Reactivity** | Human;Rat;Mouse; |
| **Applications** | WB |
| **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 Monoclonal Antibody detects endogenous levels of GPR41 protein. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Source** | Monoclonal, mouse,IgG |
| **Purification** | The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Dilution** | Western Blot: 1/500 - 1/2000. |
| **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 family.,tissue specificity:Highest level in adipose tissue, and lower expression across all tissues tested., |

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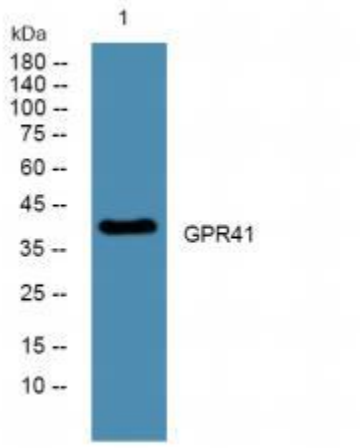
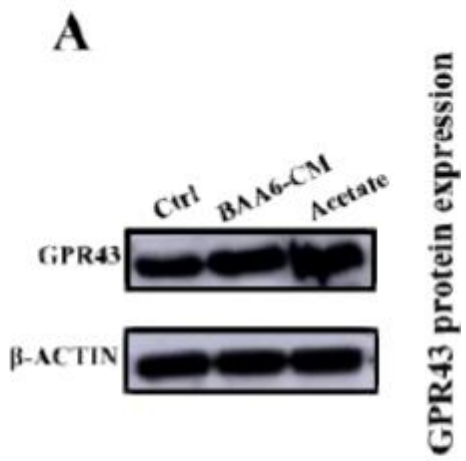
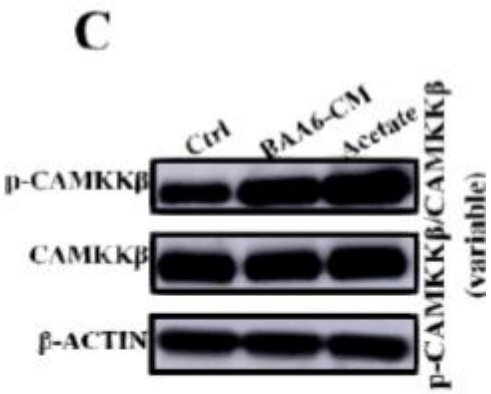
| **matters needing attention** | Avoid repeated freezing and thawing! |
| **Usage suggestions** | This product can be used in immunological reaction related experiments. For more information, please consult technical personnel. |

## Products Images




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