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# PPAR Delta mouse Monoclonal Antibody(2F9)

Catalog # AP63723

## Product Information

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|---|---|
| **Application** | IHC-P, IF |
| **Primary Accession** | Q03181 |
| **Reactivity** | Human, Rat, Mouse |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 49903 |

## Additional Information

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| **Gene ID** | 5467 |
| **Other Names** | Peroxisome proliferator-activated receptor delta (PPAR-delta) (NUCI) (Nuclear hormone receptor 1) (NUC1) (Nuclear receptor subfamily 1 group C member 2) (Peroxisome proliferator-activated receptor beta) (PPAR-beta) |
| **Dilution** | IHC-P~~N/A IF~~IF: 1:50-200 IHC 1:100-200 |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

## Protein Information

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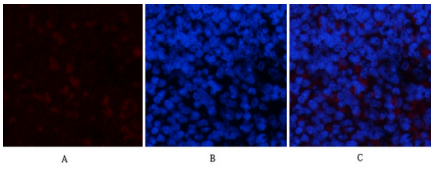
|---|---|
| **Name** | PPARD ( HGNC:9235) |
| **Synonyms** | NR1C2, PPARB |
| **Function** | Ligand-activated transcription factor key mediator of energy metabolism in adipose tissues (PubMed:35675826). Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Has a preference for poly-unsaturated fatty acids, such as gamma- linoleic acid and eicosapentanoic acid. Once activated by a ligand, the receptor binds to promoter elements of target genes. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the acyl-CoA oxidase gene. Decreases expression of NPC1L1 once activated by a ligand. |
| **Cellular Location** | Nucleus. |
| **Tissue Location** | Ubiquitous with maximal levels in placenta and skeletal muscle |

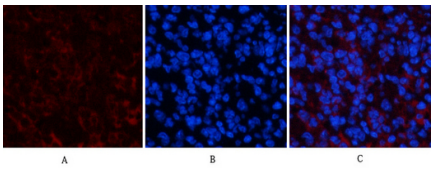
## Background

Ligand-activated transcription factor. Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Has a preference for poly-unsaturated fatty acids, such as gamma-linoleic acid and eicosapentanoic acid. Once activated by a ligand, the receptor binds to promoter elements of target genes. Regulates the peroxisomal beta-oxidation pathway of fatty acids. Functions as transcription activator for the acyl-CoA oxidase gene. Decreases expression of NPC1L1 once activated by a ligand.

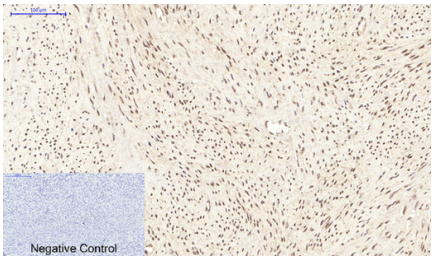
## Images



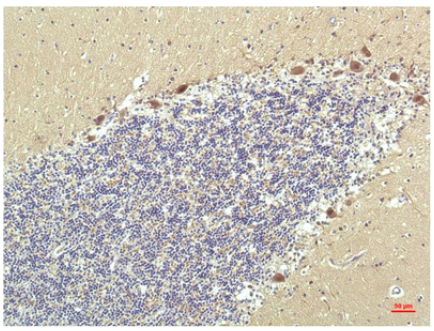

Immunofluorescence analysis of rat-spleen tissue. 1,PPAR Delta Mouse Monoclonal Antibody(2F9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



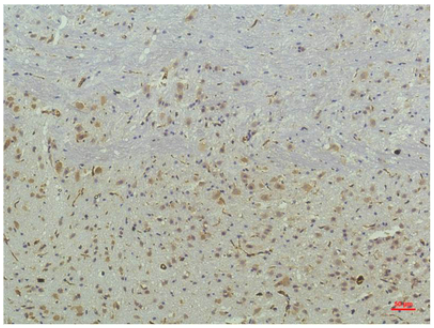

Immunofluorescence analysis of mouse-spleen tissue. 1,PPAR Delta Mouse Monoclonal Antibody(2F9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B




Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,PPAR Delta Mouse Monoclonal Antibody(2F9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human Brain Tissue using PPAR Delta Mouse mAb diluted at 1:200.



Immunohistochemical analysis of paraffin-embedded Mouse Brain Tissue using PPAR Delta Mouse mAb diluted at 1:200.