

PPAR Delta mouse Monoclonal Antibody(2F9)
Catalog # AP63723**Specification**

PPAR Delta mouse Monoclonal Antibody(2F9) - Product Information

Application	IHC-P, IF
Primary Accession	Q03181
Reactivity	Human, Rat, Mouse
Host	Mouse
Clonality	Monoclonal

PPAR Delta mouse Monoclonal Antibody(2F9) - Additional Information**Gene ID** 5467**Other Names**

Peroxisome proliferator-activated receptor delta (PPAR-delta) (NUC1) (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°C

PPAR Delta mouse Monoclonal Antibody(2F9) - Protein Information**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.

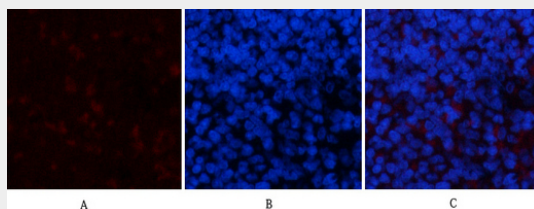
Tissue Location

Ubiquitous with maximal levels in placenta and skeletal muscle

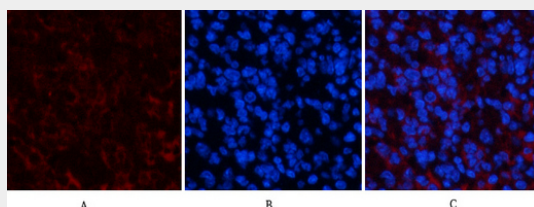
PPAR Delta mouse Monoclonal Antibody(2F9) - Protocols

Provided below are standard protocols that you may find useful for product applications.

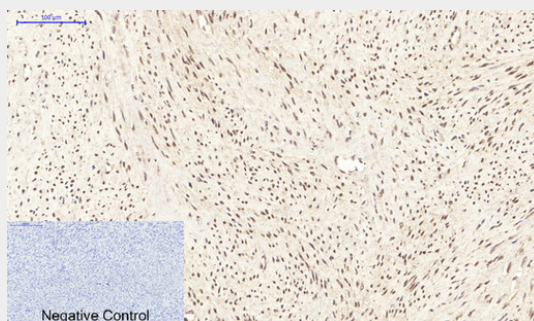
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PPAR Delta mouse Monoclonal Antibody(2F9) - 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 labeled 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

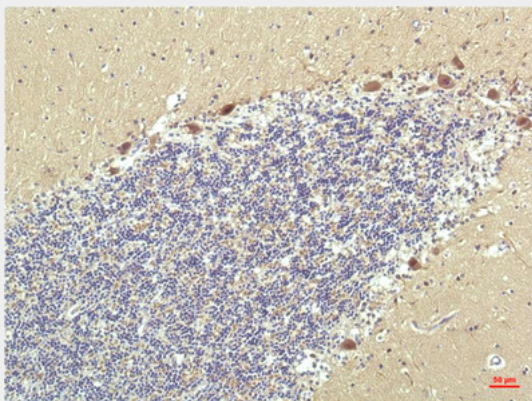


Immunofluorescence analysis of mouse-spleen tissue. 1,PPAR Delta Mouse Monoclonal Antibody(2F9)(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge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

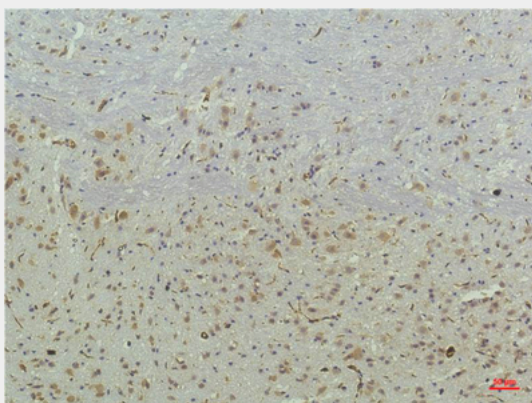


Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,PPAR Delta Mouse Monoclonal Antibody(2F9) was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used

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.

PPAR Delta mouse Monoclonal Antibody(2F9) - 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.