

**Product Name: PPAR Delta(2F9)Mouse Monoclonal Antibody**  
**Catalog #: AMM16407**



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## Summary

<b>Production Name</b>	PPAR Delta(2F9)Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IF,IHC,
<b>Reactivity</b>	Human,Rat,Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	PPARD NR1C2 PPARB 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)
<b>Alternative Names</b>	
<b>Gene ID</b>	5467.0
<b>SwissProt ID</b>	Q03181.Recombinant Protein of PPAR Delta of PPAR Delta

## Application

<b>Dilution Ratio</b>	IF 1:50-200 IHC 1:100-200
<b>Molecular Weight</b>	50kD

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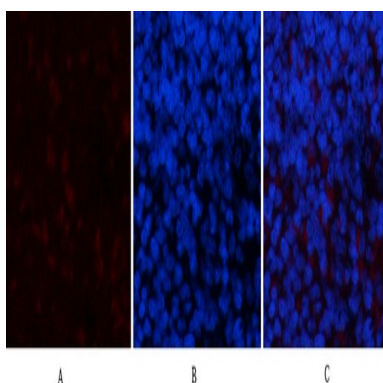
## Background

peroxisome proliferator activated receptor delta(PPARD) Homo sapiens This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) family. PPARs are nuclear hormone receptors that bind peroxisome proliferators and control the size and number of peroxisomes produced by cells. PPARs mediate a variety of biological processes, and may be involved in the development of several chronic diseases, including diabetes, obesity, atherosclerosis, and cancer. This protein is a potent inhibitor of ligand-induced transcription activity of PPAR alpha and PPAR gamma. It may function as an integrator of transcription repression and nuclear receptor signaling. The expression of this gene is found to be elevated in colorectal cancer cells. The elevated expression can be repressed by adenomatosis polyposis coli (APC), a tumor suppressor protein related to APC/beta-catenin signaling pathway. Knockout studies in mice suggested the role of this function: Receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the receptor binds to a promoter element in the gene for acyl-CoA oxidase and activates its transcription. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. Decreases expression of NPC1L1 once activated by a ligand., online information: Peroxisome proliferator-activated receptor entry, similarity: Belongs to the nuclear hormone receptor family. NR1 subfamily., similarity: Contains 1 nuclear receptor DNA-binding domain., subunit: Heterodimer with the retinoid X receptor., tissue specificity: Ubiquitous with maximal levels in placenta and skeletal muscle.,

## Research Area

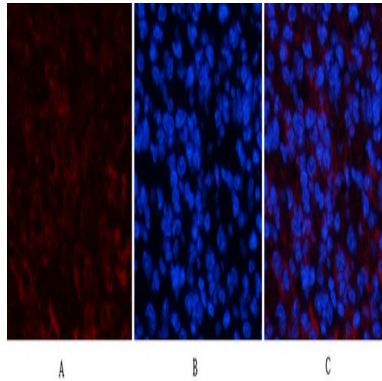
PPAR; WNT; WNT-T CELL Pathways in cancer; Acute myeloid leukemia;

## Image Data

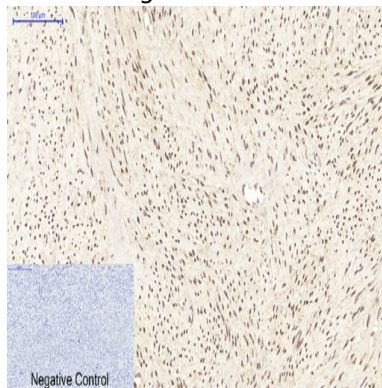


Immunofluorescence analysis of rat-spleen tissue. 1, PPAR Delta Mouse Monoclonal Antibody (2F9) (red) was diluted at 1:200 (4°C, overnight) . 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min) . 3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture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

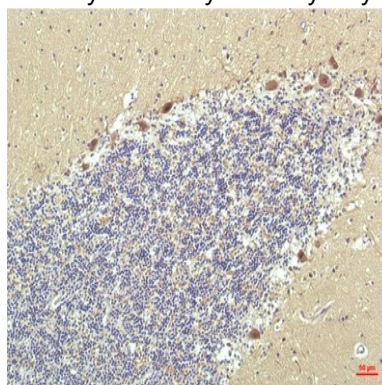
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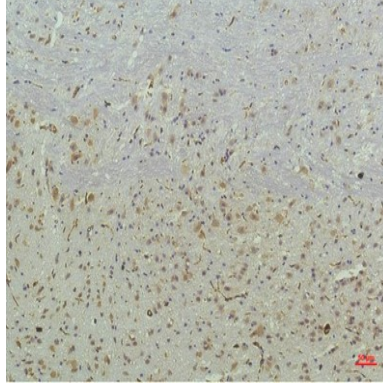
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,PPAR Delta Mouse Monoclonal Antibody (2F9) was diluted at 1:200 (4°C,overnight) . 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98°C,20min) . 3,Secondary antibody was diluted at 1:200 (room temperature, 30min) . Negative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



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

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

**Note**

For research use only.