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Anti-PPARγ Antibody
Mouse Anti Human Monoclonal Antibody
Catalog # AP53388

Specification

Anti-PPARγ Antibody - Product Information

Application	**WB**
Primary Accession	P37231
Other Accession	AB472042
Reactivity	**Transfected**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Ig2a**
Immunogen	**Purified recombinant human PPARγprotein fragments expressed in E.coli.**
Purification	**Affinity purified**
Calculated MW	**53,57 KDa**

Anti-PPARγ Antibody - Additional Information

Gene ID 5468

Other Names
CIMT1; GLM1; NR1C3; Nuclear receptor subfamily 1 group C member 3; OTTHUMP00000185032; OTTHUMP00000185036; Peroxisome proliferator activated nuclear receptor gamma variant 1; Peroxisome proliferator activated receptor gamma 1; Peroxisome Proliferator Activated Receptor gamma; Peroxisome proliferator-activated receptor gamma; PPAR gamma; PPAR-gamma; PPARG; PPARG_HUMAN; PPARG1; PPARG2; PPARgamma.

Dilution
WB~~1:500

Format
Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-PPARγ Antibody - Protein Information

Name PPARG

Synonyms NR1C3

Function
Nuclear receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the nuclear receptor binds to DNA specific PPAR response elements

(PPRE) and modulates the transcription of its target genes, such as acyl-CoA oxidase. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. Key regulator of adipocyte differentiation and glucose homeostasis. ARF6 acts as a key regulator of the tissue-specific adipocyte P2 (aP2) enhancer. Acts as a critical regulator of gut homeostasis by suppressing NF-kappa-B-mediated pro-inflammatory responses. Plays a role in the regulation of cardiovascular circadian rhythms by regulating the transcription of BMAL1 in the blood vessels (By similarity).

Cellular Location
Nucleus. Cytoplasm. Note=Redistributed from the nucleus to the cytosol through a MAP2K1/MEK1-dependent manner. NOCT enhances its nuclear translocation

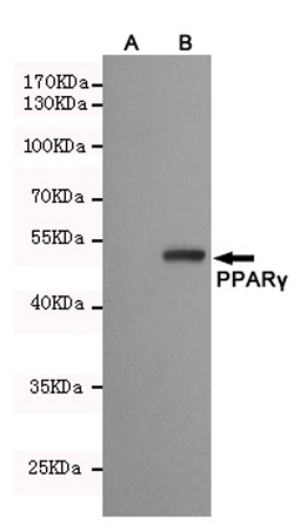
Tissue Location
Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.

Anti-PPARγ Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-PPARγ Antibody - Images



Western blot detection of PPARγ fragment in CHO-K1 cell lysate (A) and CHO-K1 transfected by pEGFP-C1-PPARγ (B) cell lysate using HER2/ErbB2 mouse mAb (1:500 diluted).Predicted band size: 53kDa.Observed band size:53kDa.

Anti-PPARγ Antibody - Background

Nuclear receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids.

Once activated by a ligand, the nuclear receptor binds to DNA specific PPAR response elements (PPRE) and modulates the transcription of its target genes, suc