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PPARG / PPAR Gamma Antibody (Internal)

Rabbit Polyclonal Antibody
Catalog # ALS11521

Specification

PPARG / PPAR Gamma Antibody (Internal) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P37231
Reactivity	**Human, Mouse, Rat, Rabbit, Hamster, Squirrel, Guinea Pig, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**58kDa KDa**
Dilution	**WB~~1:1000 IHC-P~~N/A E~~N/A**

PPARG / PPAR Gamma Antibody (Internal) - Additional Information

Gene ID 5468

Other Names
Peroxisome proliferator-activated receptor gamma, PPAR-gamma, Nuclear receptor subfamily 1 group C member 3, PPARG, NR1C3

Target/Specificity
Amino acids 255 -268 of human PPAR gamma isoform 1.

Reconstitution & Storage
+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions
PPARG / PPAR Gamma Antibody (Internal) is for research use only and not for use in diagnostic or therapeutic procedures.

PPARG / PPAR Gamma Antibody (Internal) - 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.

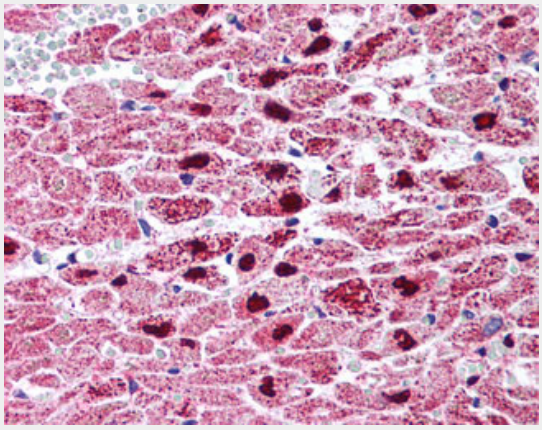
Volume
50 µl

PPARG / PPAR Gamma Antibody (Internal) - 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

PPARG / PPAR Gamma Antibody (Internal) - Images



Anti-PPARG antibody IHC of human heart.

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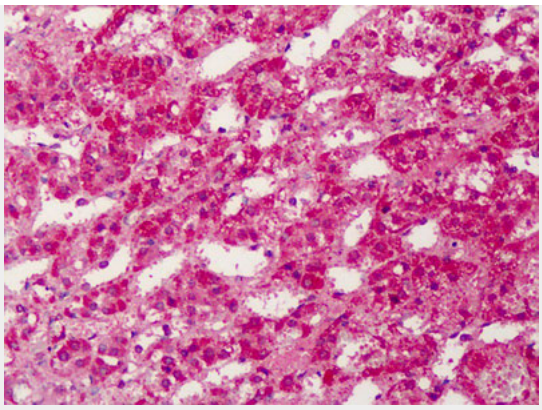
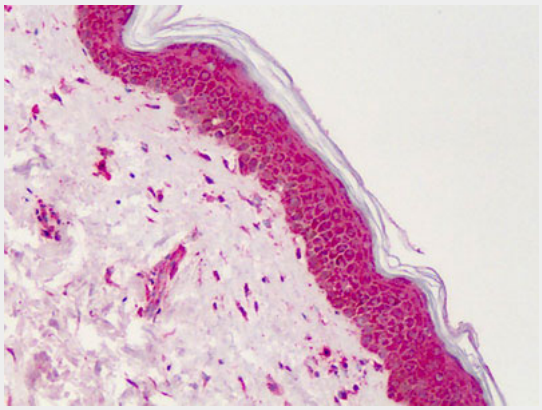


Anti-PPARG antibody IHC of human adrenal.



Anti-PPARG antibody IHC of human skin.

PPARG / PPAR Gamma Antibody (Internal) - 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, 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 proinflammatory responses. Plays a role in the regulation of cardiovascular circadian rhythms by regulating the transcription of ARNTL/BMAL1 in the blood vessels (By similarity).

PPARG / PPAR Gamma Antibody (Internal) - References

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Elbrecht A.,et al.Biochem. Biophys. Res. Commun. 224:431-437(1996).
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