

PPARG / PPAR Gamma Antibody (aa82-101)
Rabbit Polyclonal Antibody
Catalog # ALS16513

Specification

PPARG / PPAR Gamma Antibody (aa82-101) - Product Information

Application	IHC, WB
Primary Accession	P37231
Other Accession	5468
Reactivity	Human, Dog
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	57620

PPARG / PPAR Gamma Antibody (aa82-101) - Additional Information

Gene ID 5468

Other Names

PPARG, NR1C3, PPAR gamma, PPAR gamma 2, PPARG1, PPARG2, PPARgamma, CIMT1, GLM1, PPAR-gamma

Target/Specificity

Human PPAR gamma 1 amino acids 82-101 (PASPPYYSEKTQLYNKPHEE; amino acids 110-129 of PPAR gamma 2)1

Reconstitution & Storage

TBS, 50% glycerol, 0.5 mg/ml BSA, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

PPARG / PPAR Gamma Antibody (aa82-101) is for research use only and not for use in diagnostic or therapeutic procedures.

PPARG / PPAR Gamma Antibody (aa82-101) - 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

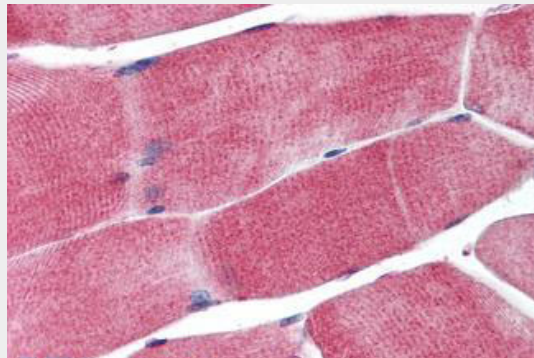
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PPARG / PPAR Gamma Antibody (aa82-101) - Protocols

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](#)

PPARG / PPAR Gamma Antibody (aa82-101) - Images



Anti-PPARG antibody IHC of human skeletal muscle.



Western blot of PPARG / PPAR Gamma antibody.

PPARG / PPAR Gamma Antibody (aa82-101) - 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 (aa82-101) - References

- Mukherjee R.,et al.J. Biol. Chem. 272:8071-8076(1997).
Elbrecht A.,et al.Biochem. Biophys. Res. Commun. 224:431-437(1996).
Yanase T.,et al.Biochem. Biophys. Res. Commun. 233:320-324(1997).
Greene M.E.,et al.Gene Expr. 4:281-299(1995).
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