

**PPARG / PPAR Gamma Antibody (Internal)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11521****Specification**

---

**PPARG / PPAR Gamma Antibody (Internal) - Product Information**

Application	IHC
Primary Accession	<a href="#">P37231</a>
Reactivity	Human, Mouse, Rat, Rabbit, Hamster, Squirrel, Guinea Pig, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	58kDa KDa

**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

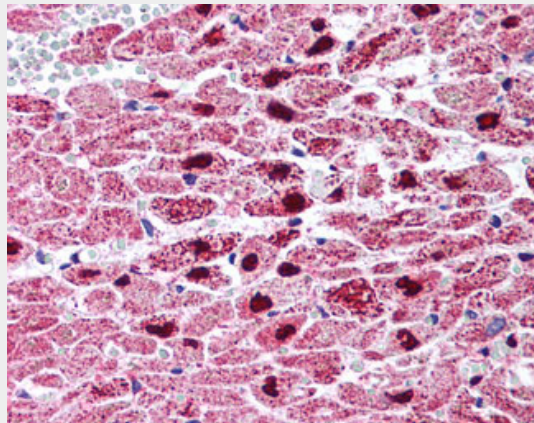
50  $\mu$ l

## PPARG / PPAR Gamma Antibody (Internal) - Protocols

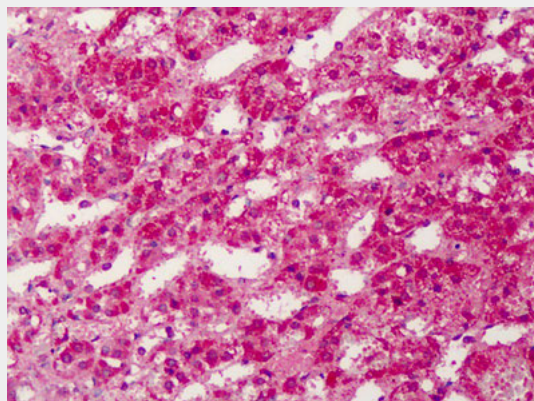
Provided below are standard protocols that you may find useful for product applications.

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

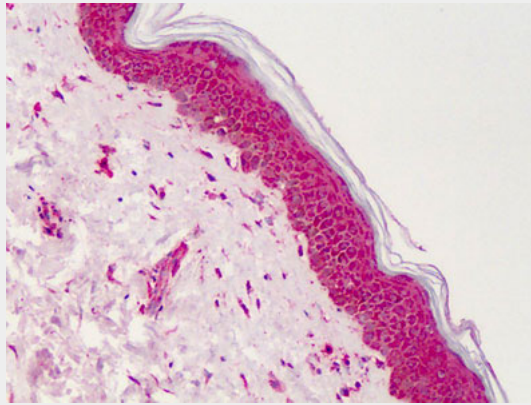
## PPARG / PPAR Gamma Antibody (Internal) - Images



Anti-PPARG antibody IHC of human heart.



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**

- 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).
- Greene M.E., et al. Submitted (DEC-2001) to the EMBL/GenBank/DDBJ databases.