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# Anti-PPAR gamma (pS112) Antibody

**Rabbit polyclonal antibody to PPAR gamma (pS112)**
**Catalog # AP59666**

## Specification

### Anti-PPAR gamma (pS112) Antibody - Product Information

| | |
|---|---|
| Application | **WB** |
| Primary Accession | P37231 |
| Other Accession | P37238 |
| Reactivity | **Human, Mouse, Rat, Rabbit, Dog** |
| Host | **Rabbit** |
| Clonality | **Polyclonal** |
| Calculated MW | **57620** |

### Anti-PPAR gamma (pS112) Antibody - Additional Information

**Gene ID** 5468

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

**Target/Specificity**
Recognizes endogenous levels of PPAR gamma (pS112) protein.

**Dilution**
WB~~WB (1/500 - 1/1000)

**Format**
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

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

### Anti-PPAR gamma (pS112) 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

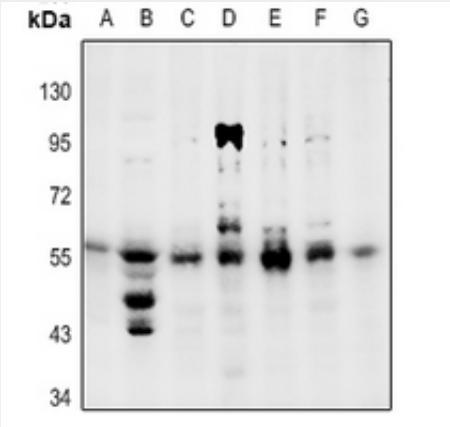
**Tissue Location**
Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.

## Anti-PPAR gamma (pS112) 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-PPAR gamma (pS112) Antibody - Images




Western blot analysis of PPAR gamma (pS112) expression in mouse heart (A), rat heart (B), H9C2 (C), AML12 (D), A549 (E), A2780 (F), LO2 (G) whole cell lysates.

## Anti-PPAR gamma (pS112) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PPAR gamma. The exact sequence is proprietary.