

Anti-PPAR Gamma pS273 (RABBIT) Antibody
PPAR gamma Phospho pS273 Antibody
Catalog # ASR5736

Specification

Anti-PPAR Gamma pS273 (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-PPAR antibody has been tested by ELISA and dot blot and is useful for Immunohistochemistry and Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately ~57kDa corresponding to the appropriate cell lysate or extract.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Anti-PPAR gamma pS273 affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to the internal region of human PPARG protein.
Preservative	0.05% (w/v) Sodium Azide

Anti-PPAR Gamma pS273 (RABBIT) Antibody - Additional Information

Gene ID 5468

Other Names
5468

Purity

Anti-PPAR gamma pS273 was affinity purified from monospecific antiserum by immunoaffinity chromatography and is directed against the phosphorylated form of human PPAR gamma at the S273 residue. A BLAST analysis was used to suggest cross-reactivity with rat, mouse, primate, human, dog, bovine, and pig based on 100% sequence homology. Cross-reactivity with PPAR gamma pS273 from other sources has not been determined.

Storage Condition

Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-PPAR Gamma pS273 (RABBIT) 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

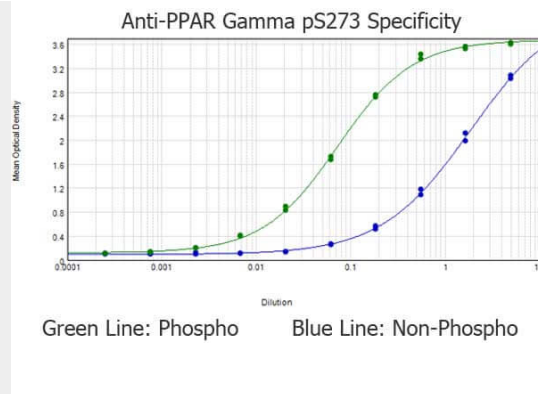
Highest expression in adipose tissue. Lower in skeletal muscle, spleen, heart and liver. Also detectable in placenta, lung and ovary.

Anti-PPAR Gamma pS273 (RABBIT) 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 Cytometry](#)
- [Cell Culture](#)

Anti-PPAR Gamma pS273 (RABBIT) Antibody - Images



ELISA results of purified Rabbit anti-PPAR gamma pS273 tested against BSA-conjugated non-phospho and phospho forms of immunizing peptide. Each well was coated in duplicate with either 0.1 µg of conjugate. The starting dilution of antibody was 5 µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using 3% fish gelatin as blocking buffer, Goat anti-Rabbit IgG Antibody Peroxidase Conjugated (Min X Bv Ch Gt GP Ham Hs Hu Ms Rt & Sh Serum Proteins) (p/n 611-103-122) and TMB substrate p/n TMBE-1000.

Anti-PPAR Gamma pS273 (RABBIT) Antibody - Background

PPAR has a receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. The receptor, when activated by ligand, binds to a promotor element in the gene for acyl-CoA oxidase and activates its transcription. In this way it controls the peroxisomal beta-oxidation pathway of fatty acids. It plays a key role in regulating adipocyte differentiation, gut homeostasis, and glucose homeostasis. Anti-PPAR gamma pS273 Antibody is ideal for researchers interested in Metabolism, Cardiovascular or Neuroscience research.