

Polyclonal Antibody to Peroxisome Proliferator Activated Receptor Gamma (PPAR γ)

Peroxisome Proliferator Activated Receptor Gamma
Catalog # AP74601

Product Information

Application	WB
Primary Accession	O18971
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57579

Additional Information

Gene ID	281993
Other Names	PPAR-G; PPARG1; PPARG2; NR1C3; Glitazone Receptor; Nuclear Receptor Subfamily 1 Group C Member 3
Target/Specificity	Bos taurus; Bovine (Cattle)
Dilution	WB~~Western blotting: 0.5-2 μ g/mL Immunohistochemistry: 5-20 μ g/mL Immunocytochemistry: 5-20 μ g/mL Optimal working dilutions must be determined by end user.
Format	0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	PPARG
Synonyms	NR1C3
Function	Ligand-activated transcription factor that forms obligate heterodimers with the retinoic acid receptor and acts as a key regulator of biological processes, such as adipocyte differentiation, lipid metabolism, glucose homeostasis and beta-oxidation of fatty acids. Activated by lipid ligands: binds peroxisome proliferators, such as hypolipidemic drugs, and fatty acids, such as prostaglandin J2 metabolites. Ligand-binding results in a conformational change in the receptor, promoting dissociation of repressors and recruitment of coactivators, and subsequent activation of target gene expression. Specifically binds to DNA specific PPAR response elements (PPRE) and modulates the transcription of its target genes, such as acyl-CoA oxidase (By

similarity). Acts as a critical regulator of gut homeostasis by suppressing NF-kappa-B-mediated pro-inflammatory responses (By similarity). 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 {ECO:0000250|UniProtKB:P37238}. Cytoplasm {ECO:0000250|UniProtKB:P37231}. Note=Redistributed from the nucleus to the cytosol through a MAP2K1/MEK1-dependent manner (By similarity) NOCT enhances its nuclear translocation (By similarity) {ECO:0000250|UniProtKB:P37231, ECO:0000250|UniProtKB:P37238}

Tissue Location

Highest expression in adipose tissue. Lower in spleen and lung. Also detected in ovary, mammary gland and small intestine.

Images

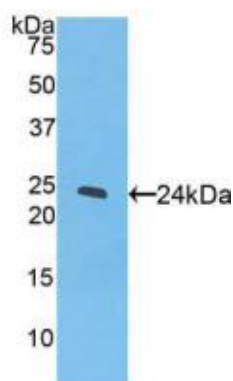


Figure. Western Blot; Sample: Recombinant PPAR γ , Bovine.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.