

## Product datasheet for **TA331937**

### PPAR gamma (PPARG) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for Anti-PPARG Antibody: synthetic peptide directed towards the N terminal of human PPARG. Synthetic peptide located within the following region: MGETLGDSPI DPESDSFTDTLSANISQEMTMVDTEMPFWPTNFGISSVDL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	57 kDa
Gene Name:	peroxisome proliferator activated receptor gamma
Database Link:	<a href="#">NP_056953</a> <a href="#">Entrez Gene 5468 Human P37231</a>



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**Background:**

PPARG is a receptor that binds peroxisome proliferators such as hypolipidemic drugs and fatty acids. Once activated by a ligand, the receptor binds to a promoter element in the gene for acyl-CoA oxidase and activates its transcription. It therefore controls the peroxisomal beta-oxidation pathway of fatty acids. PPARG is the key regulator of adipocyte differentiation and glucose homeostasis. This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described.

**Synonyms:**

CIMT1; GLM1; NR1C3; PPARG1; PPARG2; PPARgamma

**Note:**

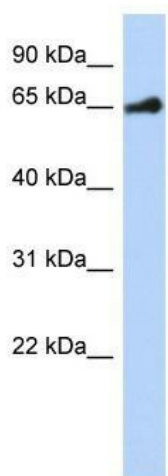
Immunogen sequence homology: Human: 100%; Dog: 92%; Pig: 85%

**Protein Families:**

Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

**Protein Pathways:**

Huntington's disease, Pathways in cancer, PPAR signaling pathway, Thyroid cancer

**Product images:**

WB Suggested Anti-PPARG Antibody Titration:  
0.2-1 ug/ml; ELISA Titer: 1: 500; Positive Control:  
Jurkat cell lysate