

Obesity and Metabolic Syndrome Related Antibody
Anti Human PPAR γ Polyclonal Antibody

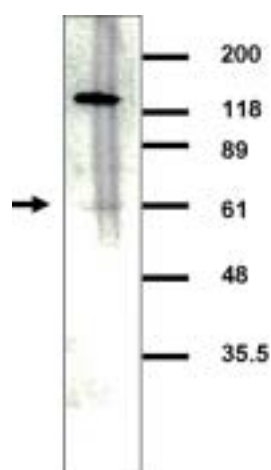
PPARs (peroxisome proliferator-activated receptors) are a family of transcription factors belonging to the nuclear hormone receptor superfamily. Widely expressed in vertebrates, PPARs play critical roles in metabolism and differentiation of a number of cell types.

The PPAR γ subtype was originally identified as a factor binding to a fatty acid specific enhancer of the aP2 gene. PPAR- γ actions are mediated by three isoforms resulting from alternative promoter selection and alternative splicing. PPAR- γ 1 is widely expressed while PPAR- γ 2 expression is restricted to adipose tissue and PPAR- γ 3 expression is restricted to adipose tissue, macrophage, and colon.

PPAR γ participates in adipose cell differentiation and energy storage (Ref.1).

Recently, these roles of PPAR γ have focused attention on PPAR γ as a target of the anti-diabetic thiazolidinedione class of drugs (Ref.2).

Package Size	100 μ g (400 μ L/vial)
Format	Rabbit polyclonal antibody 0.25mg/mL
Buffer	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage	Store below -20 Once thawed, store at 4 . Repeated freeze-thaw cycles should be avoided.
Purification method	This antibody was prepared from the serum of a rabbit immunized with a partial peptide representing the C-terminal domain of Human PPAR γ , and purified by peptide affinity chromatography.
Working dilution	For Western blotting: 1.0 μ g/ml



Western blotting

Sample: Extracted proteins from mouse adipose tissue

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[Reference]

- 1 Auwerx J. et al.:
PPAR-gamma: a thrifty transcription factor. Nucl Recept Signal. 2003;1:e006.
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- 2 Kubota N. et al. :
PPAR gamma mediates high-fat diet-induced adipocyte hypertrophy and insulin resistance.
Mol Cell. 1999 Oct;4(4):597-609.

Manufacturer



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