

**PPAR $\gamma$  (D69) Antibody**

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M	Endogenous	53, 57	Rabbit	#P37231	5468

**Product Usage Information****Application**

Western Blotting  
Immunoprecipitation

**Dilution**

1:1000  
1:50

**Storage**

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100  $\mu$ g/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

**Specificity/Sensitivity**

PPAR $\gamma$  (D69) Antibody detects endogenous levels of total PPAR $\gamma$  protein.

**Species predicted to react based on 100% sequence homology**

Rat

**Source / Purification**

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp69 of human PPAR $\gamma$ .

**Background**

Peroxisome proliferator-activated receptor  $\gamma$  (PPAR $\gamma$ ) is a member of the ligand-activated nuclear receptor superfamily and functions as a transcriptional activator (1). PPAR $\gamma$  is preferentially expressed in adipocytes as well as in vascular smooth muscle cells and macrophage (2). Besides its role in mediating adipogenesis and lipid metabolism (2), PPAR $\gamma$  also modulates insulin sensitivity, cell proliferation and inflammation (3). PPAR $\gamma$  transcriptional activity is inhibited by MAP kinase phosphorylation of PPAR $\gamma$  at Ser84 (4,5).

**Background References**

1. Tontonoz, P. et al. (1995) *Curr. Opin. Genet. Dev.* 5, 571-576.
2. Rosen, E.D. et al. (1999) *Mol. Cell* 4, 611-617.
3. Murphy, G.J. and Holder, J.C. (2000) *Trends Pharmacol. Sci.* 21, 469-474.
4. Camp, H.S. and Tafuri, S.R. (1997) *J. Biol. Chem.* 272, 10811-10816.
5. Adams, M. et al. (1997) *J. Biol. Chem.* 272, 5128-5132.

**Species Reactivity**

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

**Western Blot Buffer**

**IMPORTANT:** For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween@ 20 at 4°C with gentle shaking, overnight.

**Applications Key**

**W:** Western Blotting **IP:** Immunoprecipitation

**Cross-Reactivity Key**

**H:** Human **M:** Mouse

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