

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Species Cross-Reactivity*	Molecular Wt.	Source
W, IP Endogenous	H, M, (R)	53, 57 kDa	Rabbit**

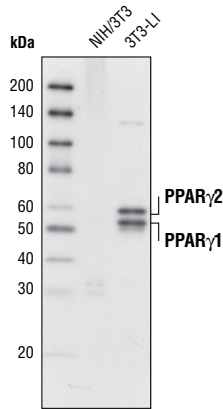
Background: Peroxisome proliferator-activated receptor γ (PPAR γ) is a member of the ligand-activated nuclear receptor superfamily and functions as a transcriptional activator (1). PPAR γ is preferentially expressed in adipocytes as well as in vascular smooth muscle cells and macrophage (2). Besides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

Specificity/Sensitivity: PPAR γ (D69) Antibody detects endogenous levels of total PPAR γ protein.

Source/Purification: PPAR γ (D69) Antibody is produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Asp69 of human PPAR γ .

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.



Western blot analysis of extracts from NIH/3T3 and NIH/3T3-L1 cells (differentiated 6 days) using PPAR γ (D69) Antibody.

Entrez-Gene ID # 5468
Swiss-Prot Acc. # P37231

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

***Species cross-reactivity is determined by western blot.**

****Anti-rabbit secondary antibodies must be used to detect this antibody.**

Recommended Antibody Dilutions:

Western blotting	1:1000
Immunoprecipitation	1:50

For application specific protocols please see the web page for this product at www.cellsignal.com.

Please visit www.cellsignal.com for a complete listing of recommended companion products.

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