

#2430 Store at -20C

PPAR γ (D69) Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source:	UniProt ID:	Entrez-Gene Id:
WB, 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 μ g/ml BSA and 50% glycerol. Store at –20°C. Do not aliquot the antibody.	
Specificity / Sensitivity	PPAR γ (D69) Antibody detects endogenous levels of total PPAR γ 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 γ .	
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).	
Background References	1. Tontonoz, P. et al. (1995) <i>Curr. Opin. Genet. Dev.</i> 5, 571-576. 2. Rosen, E.D. et al. (1999) <i>Mol. Cell</i> 4, 611-617. 3. Murphy, G.J. and Holder, J.C. (2000) <i>Trends Pharmacol. Sci.</i> 21, 469-474. 4. Camp, H.S. and Tafuri, S.R. (1997) <i>J. Biol. Chem.</i> 272, 10811-10816. 5. Adams, M. et al. (1997) <i>J. Biol. Chem.</i> 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	WB: Western Blotting IP: Immunoprecipitation
Cross-Reactivity Key	H: human M: mouse R: rat Hm: hamster Mk: monkey Vir: virus Mi: mink C: chicken Dm: D. melanogaster X: Xenopus Z: zebrafish B: bovine Dg: dog Pg: pig Sc: S. cerevisiae Ce: C. elegans Hr: horse GP: Guinea Pig Rab: rabbit All: all species expected
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