

PPAR γ Antibody

Catalog No: #21649

Package Size: #21649-1 50ul #21649-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

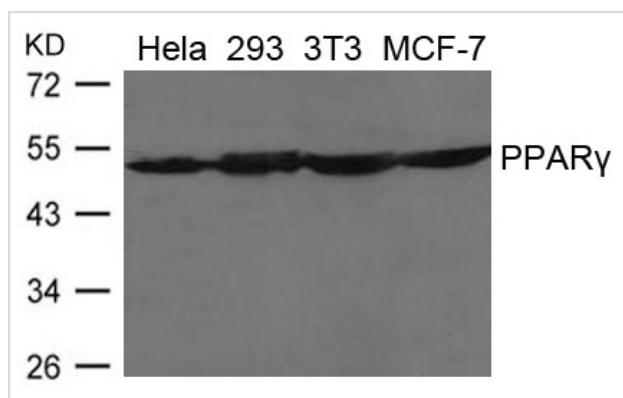
Product Name	PPAR γ Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Human;Mouse
Specificity	The antibody detects endogenous levels of total PPAR γ protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.50~54 (L-S-V-M-E) derived from Human PPAR γ
Conjugates	Unconjugated
Target Name	PPAR γ
Other Names	GLM1; NR1C3; PPARG1; PPARG2; PPARG
Accession No.	Swiss-Prot: P37231NCBI Protein: NP_005028.4
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 53 57kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from Hela, 293, 3T3 and MCF-7 cells using PPAR γ Antibody #21649.

Background

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. Key regulator of adipocyte differentiation and glucose homeostasis. "Identification, characterization, and tissue distribution of human peroxisome proliferator-activated receptor (PPAR) isoforms PPARgamma2 versus PPARgamma1 and activation with retinoid X receptor agonists and antagonists."

Mukherjee R., Jow L., Croston G.E., et al. J. Biol. Chem. 272:8071-8076(1997) "Cloning and characterization of RAP250, a nuclear receptor coactivator."

Caira F., Antonson P., Pelto-Huikko M., et al. J. Biol. Chem. 275:5308-5317(2000) "Identification of protein arginine methyltransferase 2 as a coactivator for estrogen receptor α ."

Qi C., Chang J., Zhu Y., et al. J. Biol. Chem. 277:28624-28630(2002)

Published Papers

et al., Adropin Contributes to Anti-Atherosclerosis by Suppressing Monocyte-Endothelial Cell Adhesion and Smooth Muscle Cell Proliferation. In Int J Mol Sci. On 2018 Apr 26 by Sato K, Yamashita T et al.. PMID: 29701665, , (2018)

[PMID:29701665](#)

et al., β -Endorphin Mediates the Development and Instability of Atherosclerotic Plaques. In Int J Endocrinol on 2020 Mar 28; by Okano T, Sato K, et al.. PMID:32308678, , (2020)

[PMID:32308678](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.