

Phospho-PPAR Gamma (ser273) Rabbit pAb

Catalog Number: bs-4888R

Target Protein: Phospho-PPAR Gamma (ser273)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ELISA (1:5000-10000)

Reactivity: Human (predicted:Mouse, Rat, Rabbit, Sheep, Cow, Chicken)

Predicted MW: 57 kDa

Entrez Gene: 5468

Swiss Prot: P37231

Source: KLH conjugated synthesised phosphopeptide derived from human PPAR Gamma around the phosphorylation site of ser273: DK(p-S)PF.

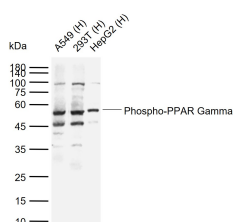
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

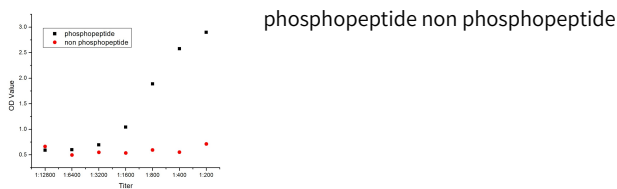
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, and PPAR-gamma. The protein encoded by this gene is PPAR-gamma and is a regulator of adipocyte differentiation. Additionally, PPAR-gamma has been implicated in the pathology of numerous diseases including obesity, diabetes, atherosclerosis and cancer. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Jul 2008]

VALIDATION IMAGES



Sample: Lane 1: Human A549 cell lysates Lane 2: Human 293T cell lysates Lane 3: Human HepG2 cell lysates
Primary: Anti-Phospho-PPAR Gamma (ser273) (bs-4888R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 57 kDa Observed band size: 57 kDa



PRODUCT SPECIFIC PUBLICATIONS

[IF=38.104] Zhang Yudian. et al. 3-Hydroxybutyrate ameliorates insulin resistance by inhibiting PPAR γ Ser273 phosphorylation in type 2 diabetic mice. SIGNAL TRANSDUCT TAR. 2023 May;8(1):1-10 **WB ; Mouse** . 37230992

[IF=16.6] Kong Lijuan. et al. Trimethylamine N-oxide impairs β -cell function and glucose tolerance. NAT COMMUN. 2024 Mar;15(1):1-17 **WB ; Mouse** . 38514666

[IF=14.7] Zuo Shiman. et al. Lipid synthesis, triggered by PPAR γ T166 dephosphorylation, sustains reparative function of macrophages during tissue repair. NAT COMMUN. 2024 Aug;15(1):1-18 **WB ; Mouse** . 39179603

[IF=12.067] Yang, Nanfei. et al. Blockage of PPAR γ T166 phosphorylation enhances the inducibility of beige adipocytes and improves metabolic dysfunctions. CELL DEATH DIFFER. 2022 Nov;:1-13 **WB ; Mouse** . 36329235

[IF=7.658] Lei Ma. et al. Identification of the anti-fungal drug fenticonazole nitrate as a novel PPAR γ -modulating ligand with good therapeutic index: Structure-based screening and biological validation. Pharmacol Res. 2021 Nov;173:105860 **WB ; Mouse** . 34461220