bs-4888R **[Primary Antibody]**

Phospho-PPAR Gamma (ser273) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 5468 **SWISS:** P37231

Target: Phospho-PPAR Gamma (ser273)

Immunogen: 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

Concentration: 1mg/ml

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]

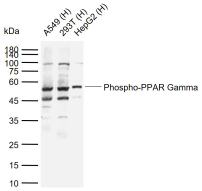
Applications: **WB** (1:500-2000)
ELISA (1:5000-10000)

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

Predicted MW.: 57 kDa

Subcellular Location: Nucleus

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

SELECTED CITATIONS

- **[IF=38.104]** Zhang Yudian. et al. 3-Hydroxybutyrate ameliorates insulin resistance by inhibiting PPARγ 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 PPARγ T166 dephosphorylation, sustains reparative function of macrophages during tissue repair. NAT COMMUN. 2024 Aug;15(1):1-18 WB ;Mouse. 39179603
- **[IF=14.3]** Xiaofang Luo. et al.The Placenta Regulates Intrauterine Fetal Growth via Exosomal PPAR⊠.advanced

science.2025 Feb 14:e2404983. Western blot ;Human, Mouse. 39951006

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