

**bs-4590R****[ Primary Antibody ]****PPAR Gamma Rabbit pAb****BioSS**  
**ANTIBODIES**

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**— DATASHEET —**

**Host:** Rabbit  
**Clonality:** Polyclonal  
**GeneID:** 5468  
**Target:** PPAR Gamma  
**Immunogen:** KLH conjugated synthetic peptide derived from human PPAR Gamma: 315-420/475.  
**Purification:** affinity purified by Protein A  
**Concentration:** 1mg/ml

**Isotype:** IgG**SWISS:** P37231

**Applications:** WB (1:500-2000)  
**IHC-P** (1:100-500)  
**IHC-F** (1:100-500)  
**IF** (1:100-500)  
**Flow-Cyt** (1µg/Test)  
**ICC/IF** (1:100)

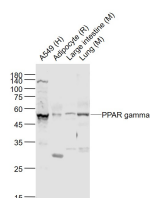
**Reactivity:** Human, Mouse, Rat  
 (predicted: Rabbit, Pig, Sheep, Cow, Chicken)

**Predicted MW.:** 57 kDa

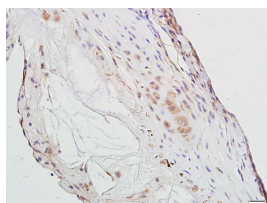
**Subcellular Location:** Nucleus

**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.

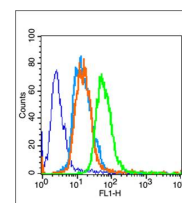
**Background:** This gene encodes a member of the peroxisome proliferator-activated receptor (PPAR) subfamily of nuclear receptors. PPARs form heterodimers with retinoid X receptors (RXRs) and these heterodimers regulate transcription of various genes. Three subtypes of PPARs are known: PPAR-alpha, PPAR-delta, 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: Liver (Mouse) Lysate at 40 ug Heart (Mouse) Lysate at 40 ug Lung (Mouse) Lysate at 40 ug  
**Primary:** Anti- PPAR gamma (bs-4590R) at 1/1000 dilution  
**Secondary:** IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
 Predicted band size: 57 kD Observed band size: 51 kD



Tissue/cell: rat aorta tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-PPAR Gamma Polyclonal Antibody, Unconjugated(bs-4590R) 1:300, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control (blue line): U251 (fixed with 70% ethanol (Overnight at 4°C) and then permeabilized with 90% ice-cold methanol for 30 min on ice). Primary Antibody (green line): Rabbit Anti-PPAR Gamma antibody (bs-4590R), Dilution: 0.2µg / 10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white/blue line): Goat anti-rabbit IgG-FITC, Dilution: 1µg / test.

**— SELECTED CITATIONS —**

- **[IF=8.315]** Shuo Geng. et al. Resolving monocytes generated through TRAM deletion attenuate atherosclerosis. Jci Insight. 2021 Sep;():149651 FCM ;mouse. 34499622
- **[IF=8.2]** Xiaoyu Yue. et al. Taraxacum mongolicum polysaccharides promotes promote white adipocyte browning by regulating miR-134-3p via Akt/GSK-3β signalling. INT J BIOL MACROMOL. 2023 Nov;:128296 WB ;Sheep. 38000580
- **[IF=7.7]** Fei Ding. et al. Adipocyte-secreted PRELP promotes adipocyte differentiation and adipose tissue fibrosis by

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- binding with p75NTR to activate FAK/MAPK signaling. INT J BIOL MACROMOL. 2024 Sep;;135376 WB ;Mouse. 39244119
- **[IF=7.163]** Ningfei Ji. et al. SARS-CoV-2 in the pancreas and the impaired islet function in COVID-19 patients. 2022 Mar 28 IHC ;Human. 35343389
  - **[IF=7.129]** Li Xu. et al. Fenpropathrin increases gliquidone absorption via causing damage to the integrity of intestinal barrier. ECOTOX ENVIRON SAFE. 2022 Sep;242:113882 WB ;Rat. 35841655