bsm-33436M **[Primary Antibody]**

PPAR gamma Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 4C1
GeneID: 5468
SWISS: P37231
Target: PPAR gamma
Purification: affinity purified by Protein A
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
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]

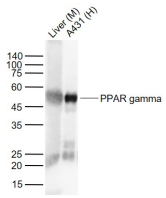
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse
(predicted: Rat)

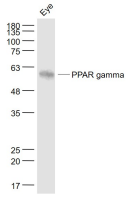
Predicted MW.: 57 kDa

Subcellular Location: Nucleus

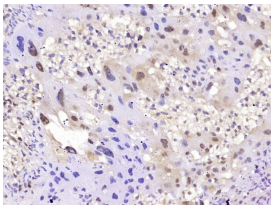
VALIDATION IMAGES



Sample: Lane 1: Liver (Mouse) Tissue Lysate at 40 ug Lane 2: A431 (Human) Cell Lysate at 30 ug Primary: Anti-PPAR gamma (bsm-33436M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 50 kD



Sample: Eye (Mouse) Lysate at 40 ug Primary: Anti- PPAR gamma (bsm-33436M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 57 kD Observed band size: 57 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PPAR gamma) Monoclonal Antibody, Unconjugated (bsm-33436M) at 1:800 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.

SELECTED CITATIONS

- **[IF=9.685]** Wang, Nan. et al. USP7- and PRMT5-dependent G3BP2 stabilization drives de novo lipogenesis and tumorigenesis of HNSC. CELL DEATH DIS. 2023 Mar;14(3):1-13 WB ;Human. 36878903
- **[IF=7.5]** Liu Tingjun. et al. Menin orchestrates hepatic glucose and fatty acid uptake via deploying the cellular translocation of SIRT1 and PPARγ. CELL BIOSCI. 2023 Dec;13(1):1-20 IF ;Mouse. 37740216
- **[IF=6.8]** Han, Ziping. et al. MicroRNA-193a-5p Rescues Ischemic Cerebral Injury by Restoring N2-Like Neutrophil

Subsets. TRANSL STROKE RES. 2022 Jul;:1-19 IF ;Mouse. 35906328

- **[IF=5.6]** Qicai Liu. et al. Adropin deficiency worsens TNBS-induced colitis. INT IMMUNOPHARMACOL. 2023 Nov;124:110891 IF ;Mouse. 37688913
- **[IF=4.966]** Ye Zhanget al. Thymopentin improves the survival of septic mice by promoting the production of 15‐deoxy‐prostaglandin J2 and activating the PPARγ signaling pathway. FASEB J . 2020 Sep;34(9):11772-11785. WB ;mouse. 32652815