

Perseus Proteomics Inc.

30-1 Nihonbashi-hakozakicho, Chuo-ku,

Tokyo, 103-0015, Japan

TEL: +81-3-6264-8268 FAX: +81-3-3668-7776

<https://www.ppmx.com>

order@ppmx.com

Anti human PPAR gamma common mouse monoclonal antibody

PPAR gamma: Peroxisome Proliferator-Activated Receptor gamma

Code No. PP-A3409A-00

Clone No. A3409A

RRID AB_3753400

Isotype IgG2a

Host mouse

Conjugate none

Alias NR1C3, PPARG, PPAR γ , PPARgamma

UniProt ID P37231

Entrez Gene ID 5468 (human)

Specificity This antibody specifically recognizes human PPAR gamma 1 and gamma 2 and cross-reacts with mouse and rat PPAR gamma 1 and gamma 2. It does not recognize human PPAR alpha or PPAR delta.

Immunogen Baculovirus-expressed recombinant human PPAR gamma 1 (3–108 aa)

Concentration 1 mg/mL

Volume 100 μ L

Formulation Physiological saline with 0.1% sodium azide as a preservative.

Purification Ammonium sulfate fractionation

Origin Produced in BALB/c mouse ascites after inoculation with hybridoma of mouse myeloma cells (NS-1) and spleen cells derived from a BALB/c mouse immunized with Baculovirus-expressed recombinant human PPAR gamma1 (3-108 aa) .

Storage Store at 2–8°C for up to one month. For long-term storage, aliquot and store at –20°C or below. Repeated freezing and thawing should be avoided, as it may cause degradation and result in reduced performance.

Notes Sodium azide may react with lead and copper plumbing to form explosive metal azides. Flush with large amounts of water during disposal.

Remarks PPAR gamma 2-specific antibody is available as Code No. PP-K8450B-00.

FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

Not for Diagnostic or Therapeutic use. Purchase of this product does not include or carry any right to resell or transfer this product either as a standalone product or as a component of another product. Any use of this product other than the permitted use without the express written consent of Perseus Proteomics Inc. is prohibited.

Application	Recommended Conc. *	Data †	References ‡
ChIP (Chromatin immunoprecipitation)	decide by use	—	4,5
IHC-P (Immunohistochemistry-Paraffin)	10 μ g/mL	Fig.1	—
Super Shift / EMSA (Electrophoretic Mobility Shift Assay)	decide by use	—	3
IP (Immunoprecipitation)	decide by use	—	—
ELISA	12 ng/mL	Fig. 2	—
WB (Western Blot)	1 μ g/mL	—	2,5

* : Optimal dilutions/concentrations should be determined by the user.

† : Data figures are shown on page 2.

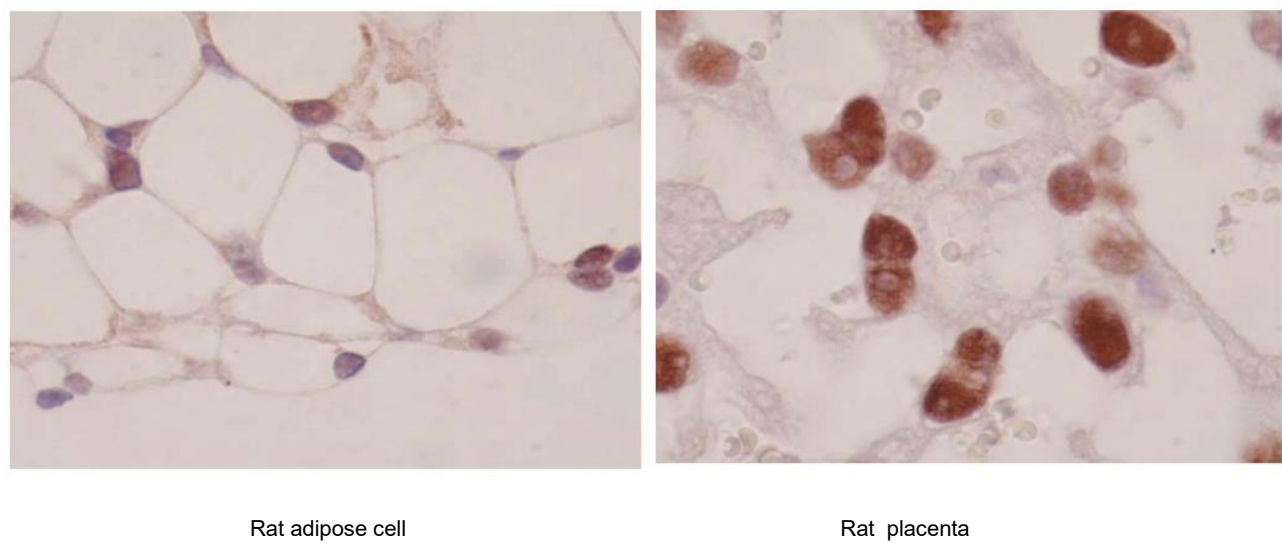
‡ : References are listed on page 3.



Full online PDF datasheet available here

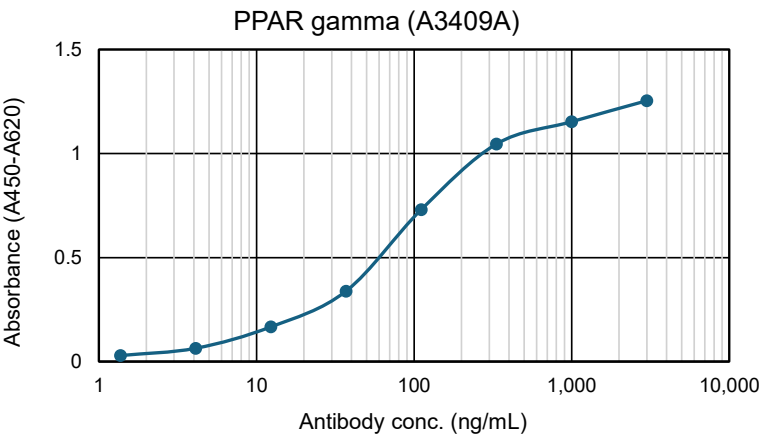
Application Data

Fig. 1 IHC-P (Immunohistochemistry-Paraffin)



Section : Paraffin, Fixation : 10% formalin-fixed in immersion
Activation : Autoclave (121°C, 15min), Blocking with 3% H₂O₂ in methanol
Primary Antibody : PP-A3409A-00 20 µg/mL

Fig. 2 Antigen-coated ELISA



Wells were coated with **human PPAR gamma 1 (3–108 aa; expressed in baculovirus)** at 1 µg/well overnight at 4°C. After blocking with non-fat dry milk for 1 h at room temperature (RT) and washing, serially diluted **anti-PPAR gamma antibody (A3409A)** solutions were added to each well and incubated at RT. The plate was washed, incubated with HRP-conjugated anti-mouse IgG (1:15,000) at RT, washed again, and visualized with TMB reagent.

References

1. Youssef R, et al. J Eur Acad Dermatol Venereol. 2012;26(12):1522-1532. [PMID: 22112149](#)
2. Takenaka Y, et al. PLoS One. 2013;8(6):e65583. [PMID: 23840343](#)
3. Aibara D, et al. Genes Cells. 2023;28(8):585-594. [PMID: 37249025](#)
4. Hiraike Y, et al. Proc Natl Acad Sci U S A. 2023;120(31):e2308750120. [PMID: 37487068](#)
5. Takenaka Y, et al. PPAR Res. 2024;2024:5518933. [PMID: 38899160](#)