DATA SHEET

PP-K8450B-00_E_1.02

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 2 mouse monoclonal antibody

PPAR gamma 2: Peroxisome Proliferator-Activated Receptor gamma 2

Code No.	PP-K8450B-00
Clone No.	K8450B
RRID	AB_3753402
Isotype	IgG2a
Host	mouse
Conjugate	none
Alias	NR1C3, PPARG2, PPARγ2, PPARgamma2
UniProt ID	P37231
Entrez Gene ID	5468 (human)
Specificity	This antibody specifically recognizes human PPAR gamma 2 and cross-reacts with mouse PPAR gamma 2. It does not recognize human PPAR gamma 1, PPAR alpha, or PPAR delta. Reactivity with other species has not been tested.
Immunogen	Baculovirus-expressed recombinant human PPAR gamma 2 (2–28 aa)
Concentration	1 mg/mL
Volume	100 µL
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 gamma 2 (2–28 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 1- and 2-pan-reactive antibody is available as Code No. PP-A3409A-00 and PP-K8713-00.

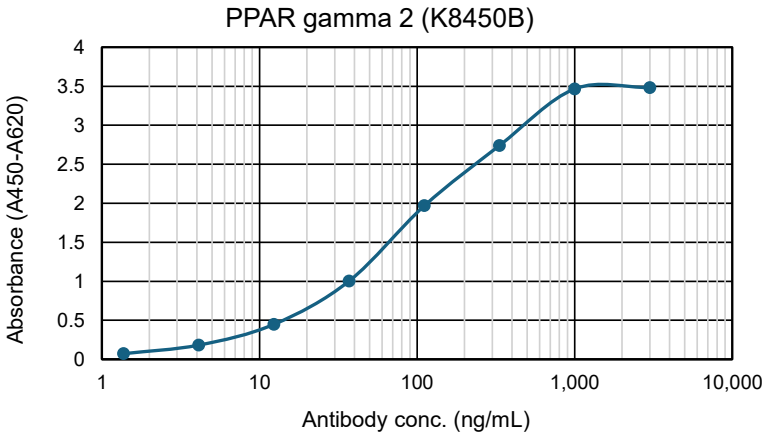
Application	Recommended Conc. *	Data †	References ‡
ChIP (Chromatin immunoprecipitation)	—	—	2
Super Shift / EMSA (Electrophoretic Mobility Shift Assay)	100 µg/mL	—	1
ELISA	0.1 µg/mL	Fig. 1	—
WB (Western Blot)	4 µg/mL	—	1,2,3
WB (Western Blot- Non-Reducing)	4 µg/mL	—	—

* : Optimal dilutions/concentrations should be determined by the user.
† : Data figures are shown on page 2.
‡ : References are listed on page 2.

Full online PDF datasheet available here

Application Data

Fig. 1 Antigen-coated ELISA



Wells were coated with **human PPAR gamma 2 (2–28 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 2 antibody (K8450B)** 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. Tanaka T, et al. J Atheroscler Thromb. 2002;9(5):233-242. PMID: 12409633
2. Muruganandan S, et al. J Biol Chem. 2011 Jul 8;286(27):23982-95. PMID: 21572083
3. Lam VQ, et al. Mol Cell Proteomics. 2017;16(12):2098-2110. PMID: 28972081