

Anti human PPAR gamma common mouse monoclonal antibody

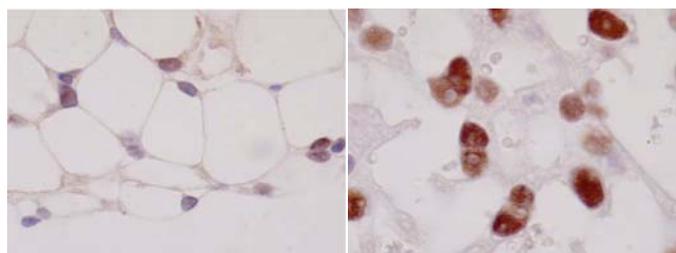
PPAR gamma: Peroxisome Proliferator-Activated Receptor gamma

Code No	PP-A3409A-00
Clone No.	A3409A
Lot.	***
Concentration	1 mg/mL
Volume	100 uL
Ig Class	G2a
Description	Peroxisome proliferator-activated receptor gamma (PPAR γ ; NR1C3) is a member of orphan nuclear receptor. Oxidized metabolites of linoleic acid, 9-hydroxyoctadienoic acid (9-HODE) and 13-HODE are activators and ligands of PPAR γ . PPAR γ is expressed in white adipose tissue, intestinal mucosa, colon, spleen, monocytes, macrophages, retina, cartilage, osteoclast and skeletal muscle. PPAR γ plays important roles in lipid and glucose metabolism, and have been implicated in obesity-related metabolic diseases such as hyperlipidemia, insulin resistance, and coronary artery disease. Three members were called PPAR α , β , γ . Three N-terminal isoforms, called γ 1, γ 2 and γ 3, are known to arise by alternative splicing and promoter usage from the PPAR γ gene. RXR is an obligate partner for PPAR.
Nomenclature	NR1C3
Genbank	L40904
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) .
Specificity	This antibody specifically recognizes human PPAR gamma1 and 2 and cross reacts with mouse and rat PPAR gamma1 and 2. This antibody does not recognize human PPAR alpha and delta.
Purification	Ammonium sulfate fractionation
Formulation	Physiological saline with 0.1% NaN ₃ as a preservative.

Application / Recommended Concentration

In order to obtain the best results, optimal working dilutions should be determined by each individual user.

Western Blot	1 ug/mL
Non reducing Western Blot	Not yet tested
ELISA	12ng/mL
Immunoprecipitation	Decide by use
Supershift Assay	Decide by use
Chromatin immunoprecipitation	Decide by use
Immunohistochemistry	10 μ g/mL



Rat adipose cell

Rat placenta

Storage Store at 2 - 8 °C up to one month. For long-term storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in a frost-free freezer is not recommended.

Reference Tanaka T, et al., J Atheroscler Thromb, 9(5) : 233-241, 2002.

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

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MADE IN JAPAN

Aug 29, 2006