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# *Anti human PPAR gamma common mouse monoclonal antibody*

PPAR gamma:Peroxisome Proliferator-Activated Receptor gamma

| | |
|---|---|
| Code No | PP-K8713-00 |
| Clone No. | K8713 |
| Lot. | A-2 |
| Concentration | 1 mg/mL |
| Volume | 100 uL |
| Ig Class | G2a |
| Description | Peroxisome proliferator-activated receptor gamma (PPARg; NR1C3) is a member of orphan nuclear receptor. Oxidized metabolites of linoleic acid, 9-hydroxyctadienoic acid (9-HODE) and 13-HODE are activators and ligands of PPARg. PPARg is expressed in white adipose tissue, intestinal mucosa, colon, spleen, monocytes, macrophages, retina, cartilage, osteoclast and skeletal muscle. PPARg 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 PPARa, b, g. Three N-terminal isoforms, called g1, g2 and g3, are known to arise by alternative splicing and promoter usage from the PPARg gene. RXR is an obligate partner for PPAR. |
| Nomenclature | NR1C3 |
| Genbank | U79012 |
| 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 gamma2 (2-136 aa) . |
| Specificity | This antibody specifically recognizes human PPAR gamma1 and 2, and cross reacts with mouse PPAR gamma1 and 2. This antibody does not recognize human PPAR alpha and delta. Not yet tested in other species. |
| Purification | Ammonium sulfate fractionation |
| Formulation | Physiological saline with 0.1% NaN3 as a preservative. |

## Application / Recommended Concentration

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

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| Western Blot | 2 ug/mL |
| Non reducing Western Blot | Not yet tested |
| ELISA | 0.1 ug/mL |
| Immunoprecipitation | Decide by use |
| Supershift Assay | 100 ug/mL |
| Chromatin immunoprecipitatic | Decide by use |
| Immunohistochemistry | Not yet tested |

**Storage** Store at 2 - 8 ºC 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. 2002; 9(5): 233-42

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



MADE IN JAPAN

July 1, 2023