

## Mouse anti-Human PPAR gamma Monoclonal Antibody | anti-PPARG antibody

PPAR gamma

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                                   |
|-----------|-------|------------|------------------------------------------------------------------------------------------------|
| AAA48279  | Mouse | Human      | Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA |

### PRODUCT SYNONYMS

PPAR gamma; Monoclonal Antibody; Peroxisome proliferator-activated receptor gamma; NR1C3; C1MT1; GLM1; PPARG1; PPARG2; PPARGgamma; PPARG; anti-PPARG antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                                                                                       |
| Reactivity                                      | Human                                                                                                                                                                       |
| Clonality                                       | Monoclonal                                                                                                                                                                  |
| Isotype                                         | IgG1 kappa                                                                                                                                                                  |
| Clone Number                                    | AT4F5                                                                                                                                                                       |
| Purity/Purification                             | Protein-A Affinity Chromatography                                                                                                                                           |
| Form/Format                                     | Liquid; In Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% Glycerol.                                                                                        |
| Concentration                                   | 1mg/ml (determined by BCA assay) (varies by lot)                                                                                                                            |
| Sequence Length                                 | 477                                                                                                                                                                         |
| Applicable Applications for anti-PPARG antibody | IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA                                                                     |
| Immunogen                                       | Recombinant human PPARG (209-477aa) purified from E Coli.                                                                                                                   |
| Preparation and Storage                         | Can be stored at 2 degree C to 8 degree C for 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles. |

### IMAGES



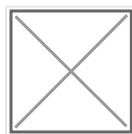
#### FCM/FACS (Flow Cytometry)

Flow cytometry analysis of PPAR gamma in 293T cells. The cell was stained with AAA48279 at 2-5ug for 1x10<sup>6</sup> cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).



#### WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPAR gamma antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate



#### ICC (Immunocytochemistry)

ICC/IF analysis of PPAR gamma in HeLa cells. The cell was stained with AAA48279 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-PPARG antibody | PPAR gamma, also known as Peroxisome proliferator-activated receptor gamma, is member of the nuclear hormone receptor subfamily of transcription factors. It regulates transcription of genes involved in Insulin action, adipocyte differentiation, lipid metabolism and inflammation. It is implicated in numerous diseases including obesity, diabetes, atherosclerosis and cancer. It also activators include prostanoids, fatty acids, thiazolidinediones and N- (2-benzoylphenyl) tyrosine analogues. PPARG may modulate macrophage functions such as proinflammatory activities, and stimulate oxidized low-density lipoprotein (x-LDL) uptake. |
| Product Categories/Family for anti-PPARG antibody   | Epigenomics (Transcription & Translation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| References                                          | Berger J. et al. (2002) Annu Rev Med. 53:409-35. Michalik L.,et al. (2006) Pharmacol Rev. 58(4):726-41.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                                            |
|----------------------------------|------------------------------------------------------------|
| NCBI GI #                        | 116284368                                                  |
| NCBI GeneID                      | 5468                                                       |
| NCBI Accession #                 | NP_619725                                                  |
| NCBI GenBank Nucleotide #        | NP_005028.4                                                |
| UniProt Accession #              | P37231                                                     |
| NCBI Official Full Name          | peroxisome proliferator-activated receptor gamma isoform 1 |
| NCBI Official Synonym Full Names | peroxisome proliferator activated receptor gamma           |
| NCBI Official Symbol             | PPARG                                                      |
| NCBI Official Synonym Symbols    | GLM1; CIMT1; NR1C3; PPARG1; PPARG2; PPARGgamma             |
| NCBI Protein Information         | peroxisome proliferator-activated receptor gamma           |
| UniProt Protein Name             | Peroxisome proliferator-activated receptor gamma           |
| UniProt Gene Name                | PPARG                                                      |
| UniProt Synonym Gene Names       | NR1C3; PPAR-gamma                                          |
| UniProt Entry Name               | PPARG_HUMAN                                                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ppar-gamma-antibody-clone-at4f5-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48279>