

Mouse anti-Human PPARGC1A Monoclonal Antibody | anti-PPARGC1A antibody

PPARGC1A antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48935	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Western Blot, ELISA

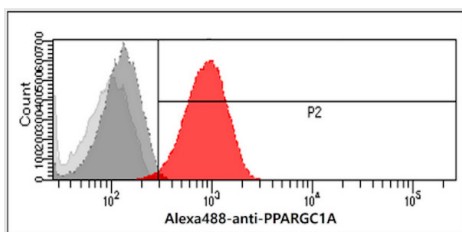
PRODUCT SYNONYMS

PPARGC1A; Monoclonal Antibody; PPARGC1A antibody; Peroxisome proliferator-activated receptor gamma coactivator 1-alpha; PGC-1-alpha; PPAR-gamma coactivator 1-alpha; PPARGC-1-alpha; Ligand effect modulator 6; LEM6; PGC1; PGC1A; PPARGC1; anti-PPARGC1A antibody

PRODUCT SPECIFICATIONS

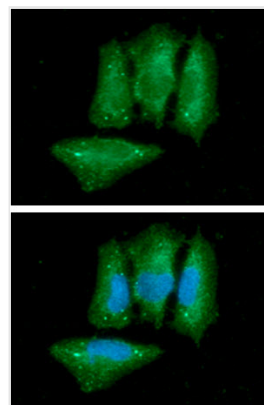
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, k
Clone Number	AT25C8
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	798
Applicable Applications for anti-PPARGC1A antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), WB (Western Blot), ELISA
Immunogen	Recombinant human PPARGC1A (300-540aa) purified from E. coli
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



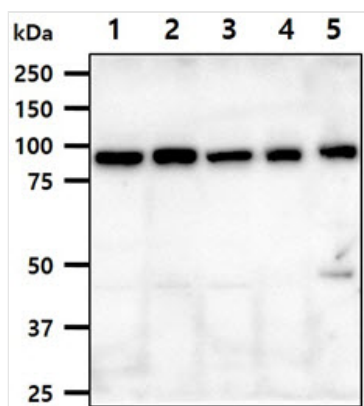
FCM/FACS (Flow Cytometry)

Flow cytometry analysis of PPARGC1A in HeLa cells. The cell was stained with AAA48935 at 2-5ug for 1x10⁶ 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).



IF (Immunofluorescence)

ICC/IF analysis of PPARGC1A in HeLa cells. The cell was stained with AAA48935 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell and tissue lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PPARGC1A antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: HeLa cell lysate Lane 2.: MCF7 cell lysate Lane 3.: HepG2 cell lysate Lane 4.: 293T cell lysate Lane 5.: Mouse brain tissue lysate

ADDITIONAL INFORMATION

Related Product Information for anti-PPARGC1A antibody	PPARGC1A is transcriptional coactivator for steroid receptors and nuclear receptors. Greatly increases the transcriptional activity of PPARG and thyroid hormone receptor on the uncoupling protein promoter. This protein can regulate key mitochondrial genes that contribute to the program of adaptive thermogenesis and plays an essential role in metabolic reprogramming in response to dietary availability through coordination of the expression of a wide array of genes involved in glucose and fatty acid metabolism. Also, induces the expression of PERM1 in the skeletal muscle in an ESRRA-dependent manner and involved in the integration of the circadian rhythms and energy metabolism. They required for oscillatory expression of clock genes, such as ARNTL/BMAL1 and NR1D1, through the coactivation of RORA and RORC, and metabolic genes, such as PDK4 and PEPCK.
Product Categories/Family for anti-PPARGC1A antibody	Epigenomics
References	Lui Z., et al. (2016) Sci Rep. 6: 21382.; Li R., et al. (2016) Med Sci Monit. 22: 3229-3237.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019499
NCBI GeneID	10891
NCBI Accession #	NP_037393
NCBI GenBank Nucleotide #	NM_013261.4
UniProt Accession #	Q9UBK2 ; Q3LIG1 ; Q4W5M7 ; Q9UN32 ; B7Z406 ; G8DM16 ; I3RTT5 ; I3RTT6 ; I3RTT7 ; I3RTT8 ; I3RTT9
NCBI Official Full Name	peroxisome proliferator-activated receptor gamma coactivator 1-alpha isoform 2
NCBI Official Synonym Full Names	PPARG coactivator 1 alpha
NCBI Official Symbol	PPARGC1A
NCBI Official Synonym Symbols	LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1alpha; PGC-1(alpha)
NCBI Protein Information	peroxisome proliferator-activated receptor gamma coactivator 1-alpha
UniProt Protein Name	Peroxisome proliferator-activated receptor gamma coactivator 1-alpha
UniProt Gene Name	PPARGC1A
UniProt Synonym Gene Names	LEM6; PGC1; PGC1A; PPARGC1; PGC-1-alpha; PPAR-gamma coactivator 1-alpha; PPARGC-1-alpha

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/monoclonal/ppargc1a-antibody-clone-at25c8-immunofluorescence-immunocytochemistry-flow-cytometry-western-blot-elisa/48935>