

# PPARGC1A Antibody



CPAB0674

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## Product Information

**Size:**

5µg

**Applications:**

Western Blot, ELISA, Flow Cytometry

**Reactivity:**

Other bodies

**Source:**

Mouse

**Isotype:**

IgG2a

**Purification Method:**

PPARGC1A antibody was purified from mouse ascitic fluids by protein-A affinity chromatography.

**Protein Background:**

PPARGC1A is transcriptional coactivator for steroid receptors and nuclear receptors which increases the transcriptional activity of PPARG and thyroid hormone receptor on the uncoupling protein promoter. PPARGC1A regulates main mitochondrial genes that contribute to the program of adaptive thermogenesis and plays an important role in metabolic reprogramming in response to dietary availability through coordination of the expression of many genes participate in glucose and fatty acid metabolism. PPARGC1A induces the expression of PERM1 in the skeletal muscle and takes part in the integration of the circadian rhythms and energy metabolism.

**Synonyms:**

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, PPARGC1A.

**Immunogen:**

Anti-human PPARGC1A mAb, is derived from hybridization of mouse F myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human PPARGC1A protein 3-54 amino acids purified from Ecoli.

**Storage:**

For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.