

Product datasheet for **TA303250**

Ppargc1a Goat Polyclonal Antibody

Product data:

| | |
|------------------------------|--|
| Product Type: | Primary Antibodies |
| Applications: | WB |
| Recommended Dilution: | ELISA: 1:8,000; WB: 1-3ug/ml |
| Reactivity: | Human (Expected from sequence similarity: Mouse, Rat, Dog) |
| Host: | Goat |
| Isotype: | IgG |
| Clonality: | Polyclonal |
| Immunogen: | Peptide with sequence C-DGLFDDSEDESDK, from the internal region of the protein sequence according to NP_037393.1. |
| Formulation: | Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. |
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Gene Name: | PPARG coactivator 1 alpha |
| Database Link: | NP_112637 Entrez Gene 10891 Human Entrez Gene 19017 Mouse Entrez Gene 479127 Dog Entrez Gene 83516 Rat Q9QYK2 |



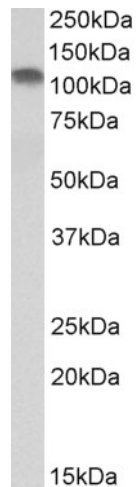
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Background:

The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homeostasis, and the development of obesity. [provided by RefSeq]

Synonyms:

LEM6; PGC-1(alpha); PGC-1-alpha; PGC-1v; PGC1; PGC1A; PPARGC-1-alpha; PPARGC1

Product images:

TA303250 (0.1ug/ml) staining of Human Skeletal Muscle lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.