

Rabbit PPARGC1A Polyclonal Antibody | anti-PPARGC1A antibody

PPARGC1A Antibody

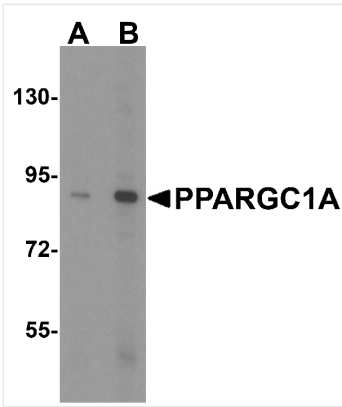
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40514	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

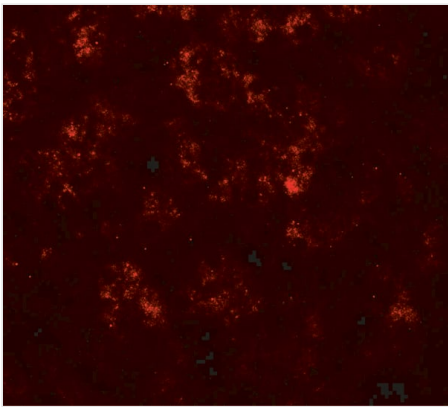
PPARGC1A; Polyclonal Antibody; PPARGC1A Antibody; LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1(alpha); Peroxisome proliferator-activated receptor gamma coactivator 1-alpha; Ligand effect modulator 6; PGC-1-alpha; peroxisome proliferator-activated receptor gamma; coactivator 1 alpha; anti-PPARGC1A antibody

PRODUCT SPECIFICATIONS

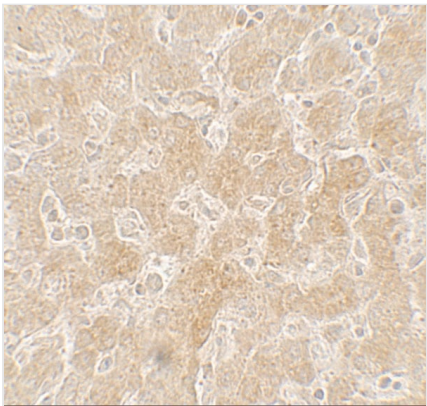
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PPARGC1A antibody is human, mouse and rat reactive. At least three isoforms of PPARGC1A are known to exist; this antibody only detects the longest isoform.
Purity/Purification	PPARGC1A antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	798
Applicable Applications for anti-PPARGC1A antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	PPARGC1A antibody was raised against a 19 amino acid peptide near the carboxy terminus of human PPARGC1A.
Buffer	PPARGC1A antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4 degree C up to one year. Antibodies should not be exposed to prolonged high temperatures.



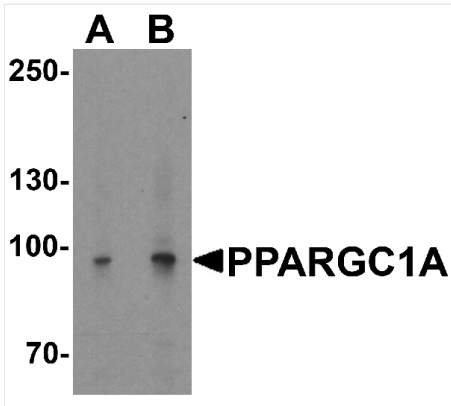
WB (Western Blot)
Western blot analysis of PPARGC1A expression in human liver tissue lysate with PPARGC1A antibody at (A) 1 and (B) 2 μ g/ml.



IF (Immunofluorescence)
Immunofluorescence of PPARGC1A in human liver tissue with PPARGC1A antibody at 20 μ g/ml.



IHC (Immunohistochemistry)
Immunohistochemistry of PPARGC1A in human liver tissue with PPARGC1A antibody at 5 μ g/ml.



WB (Western Blot)
Western blot analysis of PPARGC1A in mouse liver tissue lysate with PPARGC1A antibody at (A) 1 and (B) 2 μ g/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-PPARGC1A antibody	The peroxisome proliferator-activated receptor gamma coactivator 1-alpha (PPARGC1A), also known as LEM-6, is a transcriptional coactivator that regulates the genes involved in energy metabolism (1). PPARGC1A interacts with PPARGgamma, which permits the interaction of PPARGC1A with multiple transcription factors. PPARGC1A 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 (2). PPARGC1A may be also involved in the development of obesity (3).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	7019499
NCBI GeneID	10891
NCBI Accession #	NP_037393
NCBI GenBank Nucleotide #	NM_013261.3
UniProt Accession #	Q9UBK2; Q3LIG1; Q4W5M7; Q9UN32; B7Z406; G8DM16; I3RTT5; I3RTT6; I3RTT7; I3RTT8; I3RTT9
Molecular Weight	Predicted: 88 kDa Observed: 96 kDa

NCBI Official Full Name	peroxisome proliferator-activated receptor gamma coactivator 1-alpha
NCBI Official Synonym Full Names	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha
NCBI Official Symbol	PPARGC1A
NCBI Official Synonym Symbols	LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1(alpha)
NCBI Protein Information	peroxisome proliferator-activated receptor gamma coactivator 1-alpha; PGC-1-alpha; L-PGC-1alpha; PPARGC-1-alpha; ligand effect modulator-6; PPAR gamma coactivator variant form; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B4; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B5; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B4-8a; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B5-NT; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B4-3ext
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
UniProt Entry Name	PRGC1_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/polyclonal/ppargc1a-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40514>