

Rabbit anti-Human, Mouse PGC1 beta/PPARGC1B Polyclonal Antibody | anti-PPARGC1B antibody

Anti-PGC1 beta/PPARGC1B Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125458	Rabbit	Human, Mouse	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

PGC1 beta/PPARGC1B; Polyclonal Antibody; Anti-PGC1 beta/PPARGC1B Antibody; Peroxisome proliferator-activated receptor gamma coactivator 1-beta; PGC-1-beta; PPARG-gamma coactivator 1-beta; PPARGC-1-beta; PGC-1-related estrogen receptor alpha coactivator; PPARGC1B; PERC; PGC1; PGC1B; PPARGC1; anti-PPARGC1B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	984
Applicable Applications for anti-PPARGC1B antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E Coli-derived human PGC1 beta/PPARGC1B recombinant protein (Position: A8-P375).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES

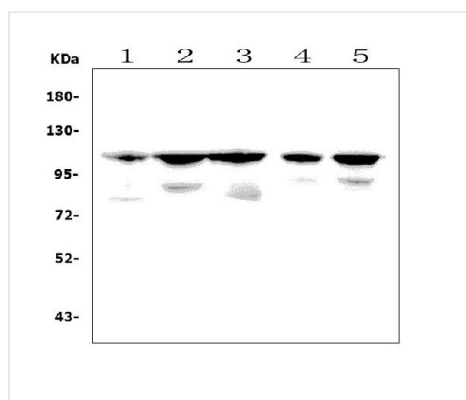
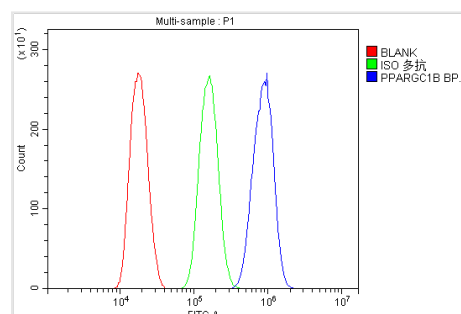
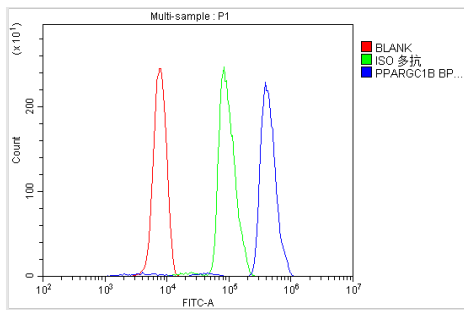

WB (Western Blot)

Figure 1. Western blot analysis of PPARGC1B using anti-PPARGC1B antibody.


FCM/FACS (Flow Cytometry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-PPARGC1B antibody	Description: Rabbit IgG polyclonal antibody for PGC1 beta/PPARGC1B detection. Tested with WB, FCM, Direct ELISA in Human;Mouse. Background: Peroxisome proliferator-activated receptor gamma coactivator 1-beta is a protein that in humans is encoded by the PPARGC1B gene. It is mapped to 5q32. The protein encoded by this gene stimulates the activity of several transcription factors and nuclear receptors, including estrogen receptor alpha, nuclear respiratory factor 1, and glucocorticoid receptor. The encoded protein may be involved in fat oxidation, non-oxidative glucose metabolism, and the regulation of energy expenditure. This protein is downregulated in prediabetic and type 2 diabetes mellitus patients. Certain allelic variations in this gene increase the risk of the development of obesity. Three transcript variants encoding different isoforms have been found for this gene.
References	- Andersen, G., Wegner, L., Yanagisawa, K., Rose, C. S., Glumer, C., Drivsholm, T., Borch-Johnsen, K., Jorgensen, T., Hansen, T., Spiegelman, B. M., Pedersen, O. Evidence of an association between genetic variation of the coactivator PGC-1-beta and obesity. J. Med. Genet. 42: 402-407, 2005. - Hentschke, M., Susens, U., Borgmeyer, U. PGC-1 and PERC, coactivators of the estrogen receptor-related receptor gamma. Biochem. Biophys. Res. Commun. 299: 872-879, 2002. - Ishii, K., Fumoto, T., Iwai, K., Takeshita, S., Ito, M., Shimohata, N., Aburatani, H., Taketani, S., Lelliott, C. J., Vidal-Puig, A., Ikeda, K. Coordination of PGC-1-beta and iron uptake in mitochondrial biogenesis and osteoclast activation. Nature Med. 15: 259-266, 2009.

NCBI AND UNIPROT INFORMATION

NCBI GI #	289577090
NCBI GeneID	133522
NCBI Accession #	NP_001166169.1
NCBI GenBank Nucleotide #	NP_001166169.1
UniProt Accession #	Q86YN6
NCBI Official Full Name	peroxisome proliferator-activated receptor gamma coactivator 1-beta isoform 2
NCBI Official Synonym Full Names	PPARG coactivator 1 beta
NCBI Official Symbol	PPARGC1B
NCBI Official Synonym Symbols	PERC; ERRL1; PGC1B; PGC-1(beta)
NCBI Protein Information	peroxisome proliferator-activated receptor gamma coactivator 1-beta
UniProt Protein Name	Peroxisome proliferator-activated receptor gamma coactivator 1-beta
UniProt Gene Name	PPARGC1B
UniProt Synonym Gene Names	PERC; PGC1; PGC1B; PPARGC1; PGC-1-beta; PPAR-gamma coactivator 1-beta
UniProt Entry Name	PRGC2_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/pgc1-beta-ppargc1b-antibody-direct-elisa-flow-cytometry-western-blot-elisa/125458>