

Anti-PGC1 beta Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

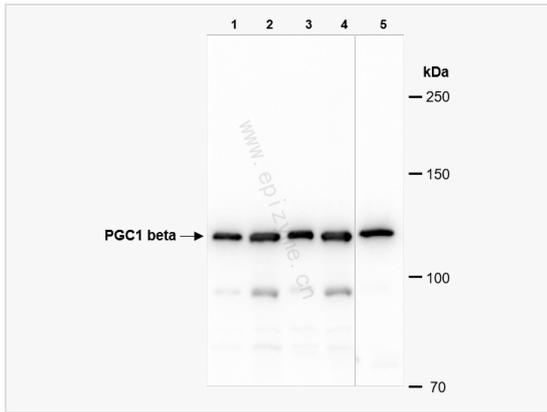
Catalog # R013855

Product Information

Application	ELISA, WB
Reactivity	Mouse, Rat, Human
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	83C91M39
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human PGC1 beta
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PGC1 beta Rabbit mAb [83C91M39] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	PERC, peroxisome proliferative activated receptor, gamma, coactivator 1, peroxisome proliferator-activated receptor gamma coactivator 1 beta, Peroxisome proliferator-activated receptor gamma coactivator 1-beta, peroxisome proliferator-activated receptor gamma, coactivator 1 beta, PGC-1(beta), PGC-1-beta, PGC-1-related estrogen receptor alpha coactivator, PGC1, PPAR gamma coactivator-1beta, PPAR-gamma coactivator 1-beta, PPARGC-1-beta, PPARGC1, Ppargc1b, PRGC2_HUMAN.
Calculated MW	Calculated MW: 113 kDa; Observed MW: 113 kDa
Uniprot ID	Q86YN6
Gene ID	133522
Background	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. [provided by RefSeq, Mar 2010]
Cellular Location	Nucleus.
Tissue Location	Ubiquitous with higher expression in heart, brain and skeletal muscle.



Western Blot - Anti-PGC1 beta Rabbit mAb [83C91M39]

All lanes: R013855 at 1:1,000 dilution

Lane 1: U2OS (Human osteosarcoma epithelial cell) whole cell lysates

Lane 2: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: 293T (Human embryonic kidney cell) whole cell lysates

Lane 4: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 5: Rat ovary whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 113 kDa

Observed band size: 113 kDa

Developed using the ECL technique (Cat. No. SQ201).