



Anti-PPARGC1B (aa 2-15) polyclonal antibody (DPABH-10166)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Plays a role of stimulator of transcription factors and nuclear receptors activities. Activates transcriptional activity of estrogen receptor alpha, nuclear respiratory factor 1 (NRF1) and glucocorticoid receptor in the presence of glucocorticoids. May play a role in constitutive non-adrenergic-mediated mitochondrial biogenesis as suggested by increased basal oxygen consumption and mitochondrial number when overexpressed. May be involved in fat oxidation and non-oxidative glucose metabolism and in the regulation of energy expenditure.
Immunogen	Synthetic peptide: AGNDCGALLDEELS, corresponding to amino acids 2-15 of Human PGC1 beta (NP_573570.3).
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	IHC-P
Format	Liquid
Size	100 µg
Buffer	pH: 7.30; Constituents: 99% Tris buffered saline, 0.5% BSA
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	PPARGC1B peroxisome proliferator-activated receptor gamma, coactivator 2 beta [Homo sapiens]
Official Symbol	PPARGC1B
Synonyms	PPARGC1B; peroxisome proliferator-activated receptor gamma, coactivator 1 beta; PERC; ERRL1; PGC1B; PGC-1(beta); peroxisome proliferator-activated receptor gamma coactivator 1-beta; PPARGC-1-beta; PPAR-gamma coactivator 1-beta; PGC-1-related estrogen receptor alpha coactivator;
Entrez Gene ID	133522
Protein Refseq	NP_001166169.1
UniProt ID	B7ZM40
Pathway	AMPK signaling; Fatty acid, triacylglycerol, and ketone body metabolism; Metabolism of lipids and lipoproteins; Mitochondrial biogenesis
Function	AF-2 domain binding; RNA binding; RNA polymerase II transcription cofactor activity; estrogen receptor binding