

PGC1 beta Rabbit pAb

PGC1 beta Rabbit pAb

Catalog # AP58674

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q86YN6
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	113222
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PGC1 beta
Epitope Specificity	901-1023/1023
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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. Tissue specificity: Ubiquitous with higher expression in heart, brain and skeletal muscle.

Additional Information

Gene ID	133522
Other Names	Peroxisome proliferator-activated receptor gamma coactivator 1-beta, PGC-1-beta, PPAR-gamma coactivator 1-beta, PPARGC-1-beta, PGC-1-related estrogen receptor alpha coactivator, PPARGC1B, PERC, PGC1, PGC1B, PPARGC1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PPARGC1B
Synonyms	PERC, PGC1, PGC1B, PPARGC1
Function	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. Induces the expression of PERM1 in the skeletal muscle in an ESRRA-dependent manner.
Cellular Location	Nucleus.
Tissue Location	Ubiquitous with higher expression in heart, brain and skeletal muscle.

Background

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.