

PRGC2 rabbit pAb

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| Catalog No : | YT7727 |
| Reactivity : | Human;Mouse;Rat |
| Applications : | WB;ELISA;IHC |
| Target : | PRGC2 |
| Fields : | >>Insulin resistance |
| Gene Name : | PPARGC1B PERC PGC1 PGC1B PPARGC1 |
| Protein Name : | PRGC2 |
| Human Gene Id : | 133522 |
| Human Swiss Prot No : | Q86YN6 |
| Mouse Gene Id : | 170826 |
| Mouse Swiss Prot No : | Q8VHJ7 |
| Rat Gene Id : | 291567 |
| Rat Swiss Prot No : | Q811R2 |
| Immunogen : | Synthesized peptide derived from human PRGC2 AA range: 829-879 |
| Specificity : | This antibody detects endogenous levels of PRGC2 at Human/Mouse/Rat |
| Formulation : | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source : | Polyclonal, Rabbit,IgG |
| Dilution : | WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000 |
| Purification : | The antibody was affinity-purified from rabbit antiserum by affinity- |

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Molecularweight : 113kD

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],

Function : domain:Contains 2 Leu-Xaa-Xaa-Leu-Leu (LXXLL) motif, which are usually required for the association with nuclear receptors.,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.,induction:Repressed by saturated fatty acids such as palmitate and stearate in skeletal muscle cells. Induced by insulin and reduced by aging in skeletal muscle biopsies. Down-regulated in type 2 diabetes mellitus subjects as w

Subcellular Location : Nucleus .

Expression : Ubiquitous with higher expression in heart, brain and skeletal muscle.

Sort : 13012

No4 : 1

Host : Rabbit

Modifications : Unmodified

Products Images