bs-7534R

[Primary Antibody]

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PGC1 beta Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

GenelD: 133522 SWISS: Q86YN6

Target: PGC1 beta

Immunogen: KLH conjugated synthetic peptide derived from human PGC1 beta:

901-1023/1023.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

Background: Plays a role of stimulator of transcription factors and nuclear

receptors activities. Activates transcritional 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.

Applications: WB (1:500-2000)

400-901-9800

IHC-P (1:100-500) IHC-F (1:100-500) **IF** (1:100-500) **ELISA** (1:5000-10000)

Reactivity: (predicted: Human, Mouse,

Rat, Rabbit, Pig, Cow, Dog,

GuineaPig)

Predicted MW.: 113 kDa

Subcellular Location: Nucleus

- SELECTED CITATIONS -

- [IF=5.988] Lei Zhao. et al. Polysaccharides From Pogostemon cablin (Blanco) Benth.: Characterization and Antioxidant Activities. FRONT PHARMACOL. 2022; 13: 933669 WB; Mouse. 35784681
- [IF=4.12] Zhou, Jing-Jing, et al. "Down-regulating peroxisome proliferator-activated receptor-gamma coactivator-1beta alleviates the proinflammatory effect of rheumatoid arthritis fibroblast-like synoviocytes through inhibiting extracellular signal-regulated kinase, p38 and nuclear factor-kappaB activation." Arthritis Research & Therapy 16.5 (2014): 472. IHC; Human. 25367151
- [IF=4.061] Wang Dan. et al. The Effect of Aerobic Exercise on the Oxidative Capacity of Skeletal Muscle Mitochondria in Mice with Impaired Glucose Tolerance. J DIABETES RES. 2022;2022:3780156 WB; Mouse. 35712028
- [IF=3.553] Man Luo. et al. miR136 regulates proliferation and differentiation of small tail han sheep preadipocytes. ADIPOCYTE. 2023;12(1):Article: 2173966 WB; Sheep, Human. 36722834