

bs-7534R**[Primary Antibody]**

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PGC1 beta Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Polyclonal		IHC-P (1:100-500)
GeneID: 133522	SWISS: Q86YN6	IHC-F (1:100-500)
Target: PGC1 beta		IF (1:100-500)
		ELISA (1:5000-10000)
Immunogen: KLH conjugated synthetic peptide derived from human PGC1 beta: 901-1023/1023.		Reactivity: (predicted: Human, Mouse, Rat, Rabbit, Pig, Cow, Dog, GuineaPig)
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		Predicted MW.: 113 kDa
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.		Subcellular Location: Nucleus
Background: 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.		

— 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