

bs-1832R**[Primary Antibody]****Bioss**
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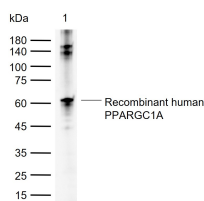
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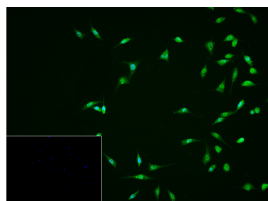
400-901-9800

PPARGC1A Rabbit pAb**— DATASHEET —**

Host: Rabbit Clonality: Polyclonal GeneID: 10891 Target: PPARGC1A Immunogen: KLH conjugated synthetic peptide derived from human PGC-1: 601-700/798. 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: The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity (referenced from entrez gene).	Isotype: IgG SWISS: Q9UBK2	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:25-100) Reactivity: Human (predicted: Mouse, Rat, Pig, Goat) Predicted MW.: 88 kDa Subcellular Location: Nucleus
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— VALIDATION IMAGES —

Sample: Lane 1: Recombinant human PPARGC1A, N-Trx-His(bs-42280P) Primary: Anti-PPARGC1A (bs-1832R) at 1/1000 dilution
 Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 88 kDa
 Observed band size: 61 kDa



A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (PPARGC1A) polyclonal Antibody, Unconjugated (bs-1832R) 1:25, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

— SELECTED CITATIONS —

- **[IF=14.528]** Xu D et al. Melatonin protects mouse testes from palmitic acid-induced lipotoxicity by attenuating oxidative stress and DNA damage in a SIRT1-dependent manner. J Pineal Res. 2020 Aug 6;e12690. IF ;mouse. 32761924
- **[IF=14.528]** Dejun Xu. et al. Melatonin protects mouse testes from palmitic acid - induced lipotoxicity by attenuating oxidative stress and DNA damage in a SIRT1 - dependent manner. J Pineal Res. 2020 Nov;69(4):e12690 WB ;Mouse. 32761924
- **[IF=13.03]** Chen, Yue, et al. "Nanosilver Incurs an Adaptive Shunt of Energy Metabolism Mode to Glycolysis in Tumor

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and Non-Tumor Cells." ACS Nano (2014). WB ;="Human". 24810997

- **[IF=8.4]** Hu Bowen. et al. Local GHR roles in regulation of mitochondrial function through mitochondrial biogenesis during myoblast differentiation. CELL COMMUN SIGNAL. 2023 Dec;21(1):1-18 WB ;Chicken. 37337300
- **[IF=7.666]** Jia Wang. et al. A Role for PGC-1α in the Control of Abnormal Mitochondrial Dynamics in Alzheimer's Disease. CELLS-BASEL. 2022 Jan;11(18):2849 WB,IF ;Mouse. 36139423