PGC1α/β polyclonal antibody

Catalog: BS91062 Host: Rabbit Reactivity: Human, Mouse, Rat

BackGround:

Transcription factors exert their effects by associating with co-activator or corepressor proteins. The co-activator complexes are thought to be constitutively active, requiring only proper positioning in the genome to initiate transcription. Co-activators include the steroid receptor coactivator (SRC) and CREB binding protein (CBP) families that contain histone acetyltransferase (HAT) activity, which modifies chromatin structure. PPARgamma co-activator-1 (PGC-1) is a transcriptional cofactor of nuclear respiratory factor-1 (NRF-1), PPARbeta, PPARalpha and other nuclear receptors that is induced by exposure to cold temperatures and is involved in regulating thermogenic gene expression, protein uncoupling, and mitochondrial biogenesis. PGC-1 has a low inherent transcriptional activity when it is not bound to a transcription factor. Docking of PGC-1 to PPARgamma stimulates an apparent conformational change that then enables PGC-1 to bind to and assemble into complexes, which include the additional cofactors SRC-1 and CBP/p300, and results in a large increase in transcriptional activity.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

113 kDa

Swiss-Prot:

Q86YN6(Human) Q9UBK2(Human) 415302(Mouse) O70343(Mouse) Q8VHJ7(Mouse) Q811R2(Rat) Q9QYK2(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:1,000

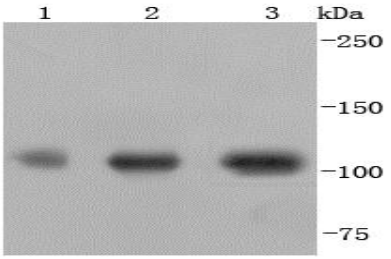
Storage&Stability:

Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.

Specificity:

PGC1α/β polyclonal antibody detects endogenous levels of PGC1α/β protein.

DATA:



Western blot analysis of PGC1 alpha+beta on different lysates using anti-PGC1 alpha+beta antibody at 1/1,000 dilution. Positive control: Lane 1: Mouse brain Lane 2: Mouse heart Lane 3: Mouse kidney

Note:

For research use only, not for use in diagnostic procedure.

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