

PKA 2 β polyclonal antibody

Catalog: BS91078

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

The second messenger cyclic AMP mediates diverse cellular responses to external signals such as proliferation, ion transport, regulation of metabolism and gene transcription by activation of the cAMP-dependent protein kinase (cAPK or PKA). Activation of PKA occurs when cAMP binds to the two regulatory subunits of the tetrameric PKA holoenzyme resulting in release of active catalytic subunits. One of several regulatory subunits, p-PKA II β reg (cAMP-dependent protein kinase type II-beta regulatory subunit), also known as PRKAR2B, is a 418 amino acid protein that is phosphorylated by the activated catalytic chain. p-PKA II β reg knockout mice exhibit diminished white adipose tissue and were protected against diet-induced obesity and fatty livers, as well as markedly reduced leptin mRNA. Also playing a role in the immune response, p-PKA II β reg suppresses CREB transcriptional activity and down-regulates IL-2 production in T-lymphocytes.

Product:

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

Molecular Weight:

46 kDa

Swiss-Prot:

P31323(Human) P31324(Mouse) P12369(Rat)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

ICC:1:50-1:200

IHC:1:50-1:200

FC:1:50-1:100

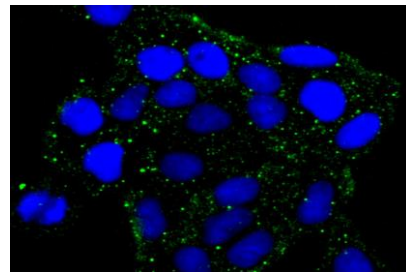
Storage&Stability:

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

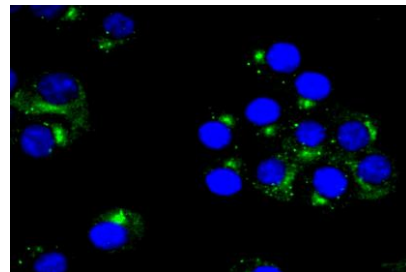
Specificity:

PKA 2 β polyclonal antibody detects endogenous levels of PKA 2 β protein.

DATA:



ICC staining PKA 2 beta (regulatory subunit) in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PKA 2 beta (regulatory subunit) in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: info@bioworld.com

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151