

PPP1R1A polyclonal antibody

Catalog: BS60209

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Protein phosphatase inhibitor-1 (also designated inhibitor of protein phosphatase 1, IPP-1 and I-1) plays a role in regulating the phosphorylation of other proteins, and is itself phosphorylated by a cyclic AMP-dependent protein kinase at Threonine 35. In addition, the proline-directed kinases Cdk1, Cdk5, and mitogen-activated protein kinase (MAPK) mediate in vitro phosphorylation of IPP-1 at the phylogenetically conserved position Serine 67. In striatal tissues, glutamate-dependent regulation of N-methyl-D-aspartic acid-type channels influences IPP-1 phosphorylation at Ser 67. The localization and expression of IPP-1 suggests that it may play discrete roles in certain regions and developing stages of the brain, independent of the regulation of protein phosphatase type 1 (PP-1). PP-1 binds to both phosphorylated and dephosphorylated IPP-1. Conversion of PP-1 to a Mn⁺⁺-dependent state appears to play a role in its regulation by IPP-1. IPP-1 attenuates the activity of glycogen phosphorylase and is thought to be important in the hormonal control of glycogen metabolism.

Product:

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

Molecular Weight:

~ 27 kDa

Swiss-Prot:

Q13522

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

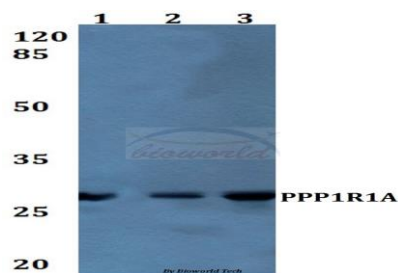
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

PPP1R1A polyclonal antibody detects endogenous levels of PPP1R1A protein.

DATA:



Western blot (WB) analysis of PPP1R1A polyclonal antibody at 1:500 dilution

Lane1:MCF-7 whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

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