

PPP4R2 polyclonal antibody

Catalog: BS62475

Host: Rabbit

Reactivity: Human,Rat,Mouse

BackGround:

Serine/threonine-protein phosphatase 4 regulatory subunit 2, regulatory subunit of serine/threonine-protein phosphatase 4 (PP4). May regulate the activity of PPP4C at centrosomal microtubule organizing centers. Its interaction with the SMN complex leads to enhance the temporal localization of snRNPs, suggesting a role of PPP4C in maturation of spliceosomal snRNPs. The PPP4C-PPP4R2-PPP4R3A PP4 complex specifically dephosphorylates H2AX phosphorylated on 'Ser-140' (gamma-H2AX) generated during DNA replication and required for DNA double strand break repair. Mediates RPA2 dephosphorylation by recruiting PPP4C to RPA2 in a DNA damage-dependent manner. RPA2 dephosphorylation is required for the efficient RPA2-mediated recruitment of RAD51 to chromatin following double strand breaks, an essential step for DNA repair.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.4.

Molecular Weight:

~ 55 kDa

Swiss-Prot:

Q9NY27

Purification&Purity:

The protein was purified from E.coli and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1:500~1:1000 IHC:1:50~1:200

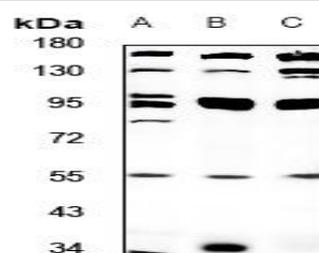
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -25 °C long term. Avoid freeze-thaw cycles.

Specificity:

PPP4R2 polyclonal antibody detects endogenous levels of PPP4R2 protein.

DATA:



Western blot (WB) analysis of PPP4R2 polyclonal antibody at 1:500 dilution

LaneA:CT-26 whole cell lysate

LaneB:PC12 whole cell lysate

LaneC:Hela 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