

PPP4R1 polyclonal antibody

Catalog: BS60748

Host: Rabbit

Reactivity: Human

BackGround:

In eukaryotes, the phosphorylation and dephosphorylation of proteins on serine and threonine residues is an essential means of regulating a broad range of cellular functions, including division, homeostasis and apoptosis. A group of proteins that are intimately involved in this process are the serine/threonine protein phosphatases. In general, the protein phosphatase (PP) holoenzyme is a trimeric complex composed of a regulatory subunit, a variable subunit and a catalytic subunit. Protein phosphatase 4 (PP4) is comprised of different regulatory subunits that exhibit mutually exclusive interactions with the PP4 catalytic subunit, PPX. PPP4R1, also known as PP4R1 or PP4(Rmeg), is regulatory subunit 1 of protein phosphatase 4. It is ubiquitously expressed and can form a binary complex with PPX that negatively regulates the activity of HDAC3. PP4 is required for cell growth, nucleation and the stabilization of microtubules during cell division. This suggests that PPP4R1 participates in the regulation of mitosis.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

Molecular Weight:

~ 107 kDa

Swiss-Prot:

Q8TF05

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

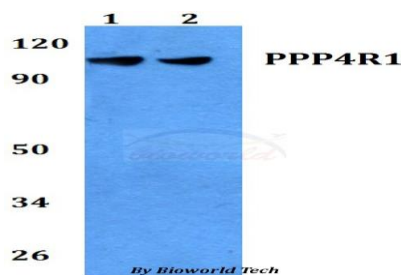
Storage&Stability:

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

Specificity:

PPP4R1 polyclonal antibody detects endogenous levels of PPP4R1 protein.

DATA:



Western blot (WB) analysis of PPP4R1 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:MCF-7 whole cell lysate

Note:

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

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