

**PPP1R10 polyclonal antibody**

Catalog: BS33059

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Serine/threonine-protein phosphatase 1 regulatory subunit 10: Substrate-recognition component of the PNUTS-PP1 protein phosphatase complex, a protein phosphatase 1 (PP1) complex that promotes RNA polymerase II transcription pause-release, allowing transcription elongation. Promoter-proximal pausing by RNA polymerase II is a transcription halt following transcription initiation but prior to elongation, which acts as a checkpoint to control that transcripts are favorably configured for transcriptional elongation. The PNUTS-PP1 complex mediates the release of RNA polymerase II from promoter-proximal region of genes by catalyzing dephosphorylation of proteins involved in transcription, such as AFF4, CDK9, MEPCE, INTS12, NCBP1, POLR2M/GDOWN1 and SUPT6H. The PNUTS-PP1 complex also regulates RNA polymerase II transcription termination by mediating dephosphorylation of SUPT5H in termination zones downstream of poly(A) sites, thereby promoting deceleration.

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~99.1 kDa

Swiss-Prot:

Q96QC0

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

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:

Recognizes endogenous levels of PPP1R10 protein

DATA:

Western blot analysis of Cytokeratin 19 expression in T47D (A), MCF7 (B), HepG2 (C), SW620 (D), HT29 (E), HCT116 (F), PC12 (G), C6 (H) whole cell lysates.

Immunohistochemical analysis of Cytokeratin 19 staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Flow cytometric analysis of HeLa cells using Anti-Cytokeratin 19 Antibody (green) and negative control (red).

Note:

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

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