PARP14 polyclonal antibody

Catalog: BS33233 Host: Rabbit Reactivity: Human, Mouse

BackGround:

Protein mono-ADP-ribosyltransferase PARP14: ADP-ribosyltransferase that mediates mono-ADP-ribosylation of glutamate residues on target proteins . In contrast to PARP1 and PARP2, it is not able to mediate poly-ADP-ribosylation . Has been shown to catalyze the mono-ADP-ribosylation of STAT1 at 'Glu-657' and 'Glu-705', thus decreasing STAT1 phosphorylation which negatively regulates pro-inflammatory cytokine production in macrophages in response to IFNG stimulation . However, the role of ADP-ribosylation in the prevention of STAT1 phosphorylation has been called into question and it has been suggested that the inhibition of phosphorylation may be the result of sumoylation of STAT1 'Lys-703' . Mono-ADP-ribosylates STAT6; enhancing STAT6-dependent transcription . In macrophages, positively regulates MRC1 expression in response to IL4 stimulation by promoting STAT6 phosphorylation . Mono-ADP-ribosylates PARP9

Product:

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

Molecular Weight:

~203 kDa

Swiss-Prot:

Q460N5

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

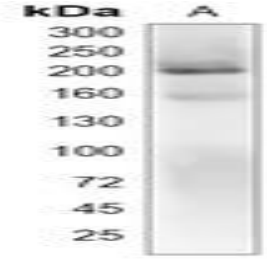
Storage&Stability:

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

Specificity:

Recognizes endogenous levels of PARP14 protein

DATA:



Western blot analysis of Filamin B expression in Hela (A) whole cell lysates.

Immunohistochemical analysis of Filamin B staining in rat heart 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.

Immunofluorescent analysis of Filamin B staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Note:

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

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