

## p-MAPK14(Y182) polyclonal antibody

Catalog: BS6383

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

MAP (mitogen-activated protein) kinases play a significant role in many biological processes, including cell adhesion and spreading, cell differentiation and apoptosis. p38 $\alpha$ , p38 $\beta$  and p38 $\gamma$ , also known as MAPK14, MAPK11 and MAPK12, respectively, each contain one protein kinase domain and belong to the MAP kinase family. Expressed in different areas throughout the body with common expression patterns in heart, p38 proteins use magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of target proteins. Via their catalytic activity, p38 $\alpha$ , p38 $\beta$  and p38 $\gamma$  are involved in a variety of events throughout the cell, including signal transduction pathways, cytokine production and cell proliferation and differentiation.

### Product:

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

### Molecular Weight:

~ 43 kDa

### Swiss-Prot:

Q16539

### 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

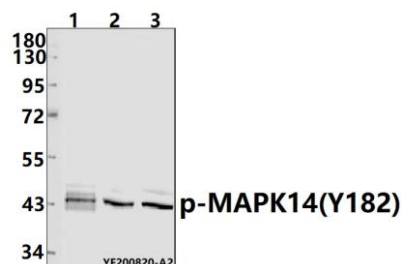
### Storage&Stability:

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

### Specificity:

p-MAPK14(Y182) polyclonal antibody detects endogenous levels of MAPK14(Y182) protein only when phosphorylated at Tyr182.

### DATA:



Western blot (WB) analysis of p-MAPK14(Y182) pAb at 1:500 dilution

Lane1:Panc1 whole cell lysate(40ug)

Lane2:Raw264.7 whole cell lysate(40ug)

Lane3:PC12 whole cell lysate(40ug)

### Note:

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

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