MAPKAPK-2 (phospho-S272) polyclonal antibody

Catalog: BCP01057 Host: Rabbit Reactivity: Human,Rat,Mouse

BackGround:

In response to cytokines, stress, and chemotactic factors, MAP kinase-activated protein kinase 2 (MAPKAPK-2) is rapidly phosphorylated and activated. It has been shown that MAPKAPK-2 is a direct target of p38 MAPK. Multiple residues of MAPKAPK-2 are phosphorylated in vivo in response to stress. However, only four residues (Thr25, Thr222, Ser272, and Thr334) are phosphorylated by p38 MAPK in an in vitro kinase assay. Phosphorylation at Thr222, Ser272, and Thr334 appears to be essential for the activity of MAPKAPK-2. Thr25 is phosphorylated by p42 MAPK in vitro, but is not required for the activation of MAPKAPK-2.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 47, 49 kDa

Swiss-Prot:

P49137

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

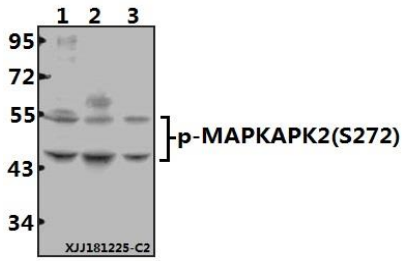
Storage&Stability:

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

Specificity:

MAPKAPK-2 (phospho-S272) polyclonal antibody detects endogenous levels of MAPKAPK-2 protein only when phosphorylated at Ser272.

DATA:



Western blot (WB) analysis of MAPKAPK-2 (phospho-S272) polyclonal antibody at 1:500 dilution

Lane1:Hela whole cell lysate(40ug)

Lane2:The Spleen tissue lysate of Mouse(40ug)

Lane3:The Spleen tissue lysate of Rat(40ug)

Note:

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

Complex biotech, co. Ltd.
Add：No 9, weidi road Qixia District Nanjing, 210046, P. R. China.