

## MAPKAPK-2 (Phospho-T334) polyclonal antibody

Catalog: AP0509

Host: Rabbit

Reactivity: Human

### 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:

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

### Molecular Weight:

~ 48 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: 1:2000~1:5000

IF: 1:50~1:200

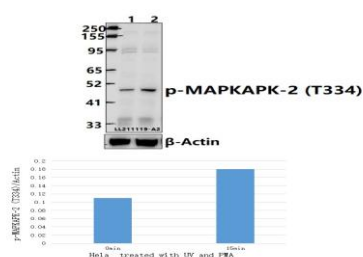
### Storage&Stability:

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

### Specificity:

MAPKAPK-2 (Phospho-T334) polyclonal antibody detects endogenous levels of MAPKAPK-2 protein only when phosphorylated at Thr334.

### DATA:



Western blot (WB) analysis of MAPKAPK-2 (Phospho-T334) polyclonal antibody at 1:2000 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:Hela treated with UV 5 min and PMA (200nM,10 min) whole cell lysate(40ug)

Immunofluorescence analysis of Hela cells using MAPKAPK-2 (Phospho-T334) antibody at dilution of 1:50.

### Note:

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

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