

MAPKAPK-2 (T334) polyclonal antibody

Catalog: BCP01060

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:

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

Molecular Weight:

~ 45 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%

Applications:

WB: 1:5000~1:10000

IF: 1:50~1:200

Storage&Stability:

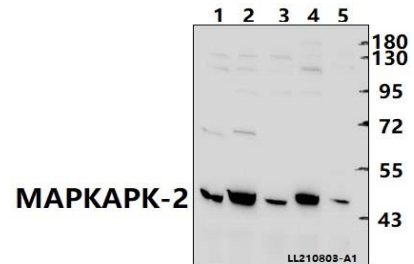
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

MAPKAPK-2 (T334) polyclonal antibody detects en-

dogenous levels of MAPKAPK-2 protein.

DATA:



Western blot (WB) analysis of MAPKAPK-2 (T334) polyclonal antibody at 1:5000 dilution

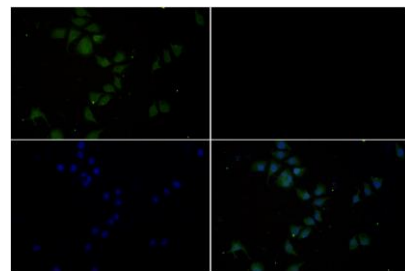
Lane1:PC12 whole cell lysate(40ug)

Lane2:BV2 whole cell lysate(40ug)

Lane3:PC3 whole cell lysate(40ug)

Lane4:K562 whole cell lysate(40ug)

Lane5:MCF-7 whole cell lysate(40ug)



Immunofluorescence analysis of A549 cells using MAPKAPK-2 antibody at dilution of 1:50.

Note:

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