

MK2 (Phospho-T222) polyclonal antibody

Catalog: BS64510

Host: Rabbit

Reactivity: Human, Mouse, Rat

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:

~ 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:

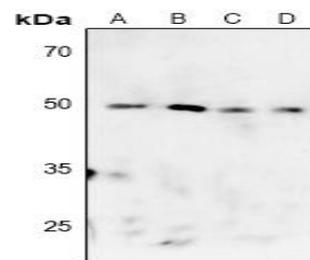
WB:1:500~1:1000 IHC:1:50~1:200

Storage&Stability:

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

Specificity:

MK2 (Phospho-T222) polyclonal antibody detects endogenous levels of MK2 protein only when phosphorylated at Thr222.

DATA:

Western blot (WB) analysis of MK2 (Phospho-T222) polyclonal antibody at 1:500 dilution

LaneA:U-87MG whole cell lysate

LaneB:K562 whole cell lysate

LaneC:The Liver tissue lysate of Mouse

LaneD:The Liver tissue lysate of Rat

Note:

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

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