MAPKAPK-2 (S328) polyclonal antibody

Catalog: BCP01059 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

MAP kinase activated protein kinase 2 (MAPKAP Kinase 2), also known as p45 hsp27 kinase, is a 45-54 kDa serine/threonine protein kinase that contains a proline rich sequence and two putative SH3 binding sites. MAPKAP Kinase 2 is activated in response to stress, IL1 and TNF, possibly catalyzed by p38/Hog dependent phosphorylation. One of the major substrates of MAPKAP Kinase 2 is hsp27, which stimulates actin polymerization in order to facilitate recovery from destruction of cytoskeleton during cellular stresses. MAPKAP2 is implicated in several disorders including ischemic brain injury and heart failure and has been shown to be important in regulating stress resistance and the production of TNF alpha.

Product:

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

Molecular Weight:

~ 46 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

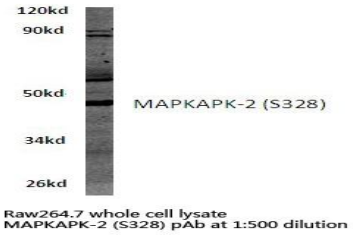
Storage&Stability:

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

Specificity:

MAPKAPK-2 (S328) polyclonal antibody detects endogenous levels of MAPKAPK-2 protein.

DATA:



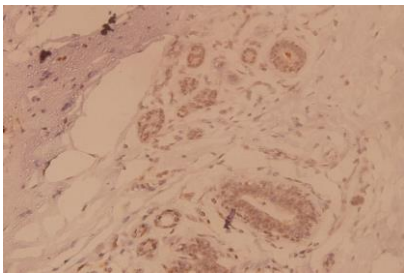
Western blot (WB) analysis of MAPKAPK-2 (S328) polyclonal antibody at 1:500 dilution

Lane1:C6 whole cell lysate(40ug)

Lane2:The Brain tissue lysate of Rat(40ug)

Lane3:The Brain tissue lysate of Mouse(40ug)

Lane4:HEK293T whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of MAPKAPK-2 (S328) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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