

MSK1 (Phospho-S360) polyclonal antibody

Catalog: BS67581

Host: Rabbit

Reactivity: Human, Mouse

Background:

MSK1, a mitogen and stress activated protein kinase, is activated by Erk as well as p38 MAPK in response to growth factors and cellular stress, respectively. MSK1 resembles RSK because it has two kinase domains connected by a regulatory linker region. Phosphorylation of RSK1 at Ser364 and Ser381 is critical for RSK1 activity. These sites are analogous to Ser360 and Ser376 of MSK1, which may be important for MSK1 activity as well.

Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 90 kDa

Swiss-Prot:

O75582

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200)

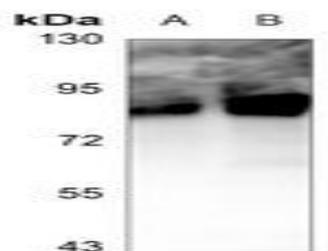
Storage&Stability:

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

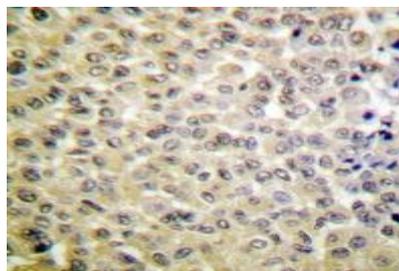
Specificity:

Recognizes endogenous levels of MSK1 with a phosphorylation site at S360 protein.

DATA:



Western blot analysis of MSK1 (pS360) expression in mouse liver (A), mouse muscle (B) whole cell lysates.



Immunohistochemical analysis of MSK1 (pS360) staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of MSK1 (pS360) staining in NIH3T3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF594-conjugated

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

secondary antibody (red) in PBS at room temperature in the dark.

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

Note:

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