



MSK1 (Phospho-Ser212) Antibody

#11199

Catalog Number: 11199-1, 11199-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q75582

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human MSK1 around the phosphorylation site of serine 212

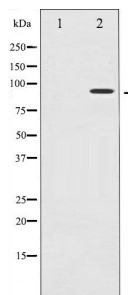
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

Specificity/Sensitivity: MSK1 (phospho-Ser212) antibody detects endogenous levels of MSK1 only when phosphorylated at serine 212.

Reactivity: Human, Mouse

Applications:

Predicted MW: 90kd WB: 1:500~1:1000 IHC: 1:50~1:100



Western blot analysis of MSK1 phosphorylation expression in EGF treated NIH-3T3 whole cell lysates, The lane on the left is treated with the antigen-specific peptide.

Background :

Serine/threonine kinase required for the mitogen or stress-induced phosphorylation of the transcription factors CREB (cAMP response element-binding protein) and ATF1 (activating transcription factor-1). Essential role in the control of RELA transcriptional activity in response to TNF. Directly represses transcription via phosphorylation of 'Ser-1' of histone H2A. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and epidermal growth-factor (EGF), which results in the transcriptional activation of several immediate early genes, including proto-oncogenes c-fos/FOS and c-jun/JUN. May also phosphorylate 'Ser-28' of histone H3. Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 14 (HMG-14).