MSK1 (Ab-376) Antibody

#21198

Catalog Number: 21198-1, 21198-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized non-phosphopeptide derived from Human MSK1 around the phosphorylation site of serine 376

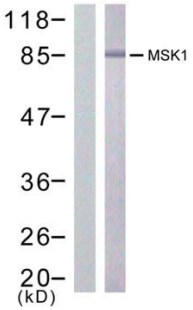
Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity:MSK1 (Ab-376) antibody detects endogenous levels of total MSK1 protein

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 90kd WB: 1:500~1:1000



Western blot analysis of extract from HuVec cells treated or untreated with PMA (200nM, 30min), using MSK1 (Ab-376) antibody (#21198).

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 epidemal 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).

References:

Roux PP, et al. (2004) Microbiol Mol Biol Rev. Jun; 68(2): 320-344

McCOY C, et al. (2005) Biochem J. Apr 15; 387(Pt 2): 507-517