

35-1536: Polyclonal Antibody to MSK1 (Ab-376)

Clonality :	Polyclonal
Application :	WB
Reactivity :	Human
Gene :	RPS6KA5
Gene ID :	9252
Uniprot ID :	O75582
Format :	Purified
Alternative Name :	MSPK1, RPS6KA5
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.374~378 (G-Y-S-F-V) derived from Human MSK1.

Description

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).

Product Info

Amount :	50 µl / 100 µl
Content :	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 90kd, Western blotting: 1:500~1:1000

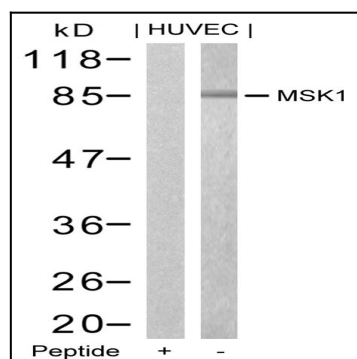


Figure 1: Western blot analysis of extracts from HUVEC cells using MSK1(Ab-376) Antibody 35-1536 and the same antibody preincubated with blocking peptide.