

Product Datasheet

Phospho-MSK1 (S376) Antibody

Catalog No: CY5663

Reactivity: Human Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC/IF IP



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Information

UniProt ID: O75582

All Names: 90 kDa ribosomal protein S6 kinase polypeptide 5; EC 2.7.11.1; KS6A5; MSPK1; Nuclear mitogen- and stress-activated protein kinase-1; RLPK; RPS6KA5; kinase MSK1; ribosomal protein S6 kinase; polypeptide V;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 90 kDa

Application

WB: 1:500~1:2000

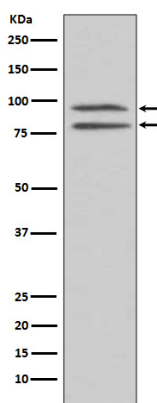
IHC: 1:50~1:200

ICC: 1:50~1:200

IP: 1:50

Background

Serine/threonine-protein kinase that is required for the mitogen or stress-induced phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factors RELA, STAT3 and ETV1/ER81, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. Phosphorylates CREB1 and ATF1 in response to mitogenic or stress stimuli such as UV-C irradiation, epidermal growth factor (EGF) and anisomycin. Plays an essential role in the control of RELA transcriptional activity in response to TNF and upon glucocorticoid, associates in the cytoplasm with the glucocorticoid receptor NR3C1 and contributes to RELA inhibition and repression of inflammatory gene expression.



Western blot analysis of Phospho-MSK1 (S376) expression in HEK293 cell lysate treated with EGF.

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