

Tel: 400-999-8863 
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# MSK1 (phospho Ser360) Polyclonal Antibody

Catalog No	YP-Ab-14568
Isotype	IgG
Reactivity	Human;Mouse
Applications	IHC;IF;ELISA
Gene Name	RPS6KA5
Protein Name	Ribosomal protein S6 kinase alpha-5
Immunogen	The antiserum was produced against synthesized peptide derived from human MSK1 around the phosphorylation site of Ser360. AA range:331-380
Specificity	Phospho-MSK1 (S360) Polyclonal Antibody detects endogenous levels of MSK1 protein only when phosphorylated at S360.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	RPS6KA5; MSK1; Ribosomal protein S6 kinase alpha-5; S6K-alpha-5; 90 kDa ribosomal protein S6 kinase 5; Nuclear mitogen- and stress-activated protein kinase 1; RSK-like protein kinase; RSKL
Observed Band	
Cell Pathway	Nucleus. Cytoplasm. Predominantly nuclear. Exported into cytoplasm in response to glucocorticoid.
Tissue Specificity	Widely expressed with high levels in heart, brain and placenta. Less abundant in lung, kidney and liver.
Function	catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Appears to be activated by multiple phosphorylations on threonine and serine residues. ERK1/2 and MAPK14/p38-alpha may play a role in this process.,function: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'



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### Background

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# matters needing attention

Avoid repeated freezing and thawing!

### **Usage suggestions**

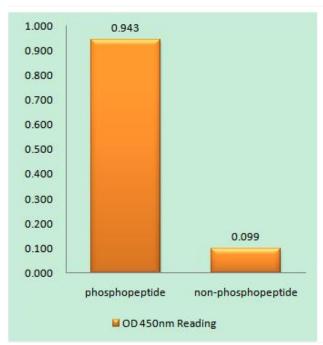
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



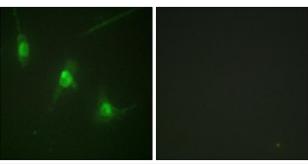




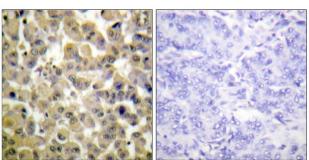
## **Products Images**



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MSK1 (Phospho-Ser360) Antibody



Immunofluorescence analysis of NIH/3T3 cells, using MSK1 (Phospho-Ser360) Antibody. The picture on the right is blocked with the phospho peptide.



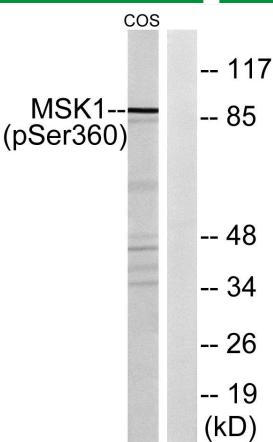
Immunohistochemistry analysis of paraffin-embedded human breast carcinoma, using MSK1 (Phospho-Ser360) Antibody. The picture on the right is blocked with the phospho peptide.



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Western blot analysis of MSK1 (Phospho-Ser360) Antibody. The lane on the right is blocked with the MSK1 (Phospho-Ser360) peptide.