

Datasheet for ABIN7138480

anti-MSK1 antibody (pSer212)





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Background:

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Quantity:	100 μL	
Target:	MSK1 (RPS6KA5)	
Binding Specificity:	pSer212	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Application:	Western Blotting (WB), ELISA	
Product Details		
Immunogen:	Peptide sequence around phosphorylation site of serine 212 (A-Y-S(p)-F-C) derived from	
	Human MSK1.	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse	
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH	
	conjugates. Antibodies were purified by affinity-chromatography using epitope-specific	
	phosphopeptide. Non-phospho specific antibodies were removed by chromatogramphy usi	
Target Details		
Target:	MSK1 (RPS6KA5)	
Alternative Name:	RPS6KA5 (RPS6KA5 Products)	

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).

McCoy CE, et al. (2007) Biochem J 402, 491-501

McCoy CE, et al. (2005)Biochem J 387, 507-17

Aliases: 90 kDa ribosomal protein S6 kinase 5 antibody, EC 2.7.11.1 antibody, KS6A5_HUMAN antibody, MGC1911 antibody, Mitogen and stress activated protein kinase 1 antibody, MSPK1 antibody, Nuclear Mitogen And Stress Activated Protein Kinase 1 antibody, Nuclear mitogenand stress-activated protein kinase 1 antibody, Ribosomal protein S6 kinase 90kD polypeptide 5 antibody, Ribosomal protein S6 kinase 90 kDa antibody, Ribosomal protein S6 kinase 90 kDa polypeptide 5 antibody, Ribosomal Protein S6 Kinase Alpha 5 antibody, Ribosomal protein S6 kinase alpha-5 antibody, RLPK antibody, RPS6KA5 antibody, RSK Like Protein Kinase antibody, RSK-like protein kinase antibody, RSKL antibody, S6K alpha 5 antibody, S6K-alpha-5 antibody

UniProt:

075582

Pathways:

MAPK Signaling, EGFR Signaling Pathway, Neurotrophin Signaling Pathway, Activation of Innate immune Response, Toll-Like Receptors Cascades

Application Details

Application Notes: WB:1:500-1:1000,

Restrictions:

For Research Use only

Handling

Format:

Liquid

Buffer:

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

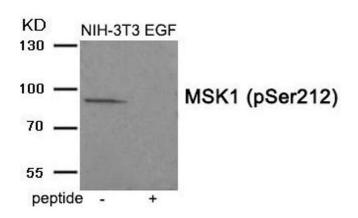
Preservative:

Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.	

Images



Western Blotting

Image 1. Western blot analysis of extracts from NIH-3T3 cells treated with EGF using MSK1 (Phospho-Ser212) antibody. The lane on the right is treated with the antigenspecific peptide.