

Datasheet for ABIN7138480

**anti-MSK1 antibody (pSer212)**[Go to Product page](#)**1** Image

## Overview

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 chromatography using

## Target Details

Target:	MSK1 (RPS6KA5)
Alternative Name:	RPS6KA5 ( <a href="#">RPS6KA5 Products</a> )
Background:	Background:

## Target Details

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).

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 mitogen- and 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: [O75582](#)

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 Mg<sup>2+</sup> and Ca<sup>2+</sup>), 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

