Datasheet for ABIN1881766

anti-MSK2 antibody (AA 481-508)

1 Image

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Overview

Quantity:	400 µL
Target:	MSK2 (RPS6KA4)
Binding Specificity:	AA 481-508
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This RPS6KA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 481-508 amino acids from the Central region of human RPS6KA4.
Clone:	RB42814
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	MSK2 (RPS6KA4)
Alternative Name:	RPS6KA4 (RPS6KA4 Products)
Background:	Serine/threonine-protein kinase that is required for the mitogen or stress-induced

Target Details

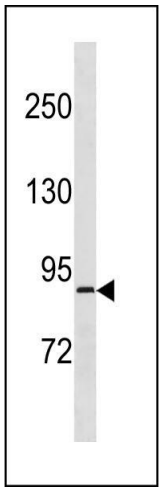
	phosphorylation of the transcription factors CREB1 and ATF1 and for the regulation of the transcription factor RELA, and that contributes to gene activation by histone phosphorylation and functions in the regulation of inflammatory genes. Phosphorylates CREB1 and ATF1 in response to mitogenic or stress 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. Phosphorylates 'Ser-10' of histone H3 in response to mitogenics, stress stimuli and 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 1 (HMGN1/HMG14). In lipopolysaccharide-stimulated primary macrophages, acts downstream of the Toll-like receptor TLR4 to limit the production of pro-inflammatory cytokines. Functions probably by inducing transcription of the MAP kinase phosphatase DUSP1 and the anti-inflammatory cytokine interleukin 10 (IL10), via CREB1 and ATF1 transcription factors.
Molecular Weight:	85606
NCBI Accession:	NP_001006945, NP_003933
UniProt:	O75676

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. RPS6KA4 Antibody (Center) (ABIN1881766 and ABIN2843268) western blot analysis in cell line lysates (35 µg/lane).This demonstrates the RPS6KA4 antibody detected the RPS6KA4 protein (arrow).