

Anti-MSK2 / RSK-B antibody ab99411

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Overview

Product name	Anti-MSK2 / RSK-B antibody
Description	Rabbit polyclonal to MSK2 / RSK-B
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Synthetic peptide within Human MSK2/ RSK-B aa 700-800. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. NP_003933.1 Database link: O75676
Positive control	HeLa, 293T or NIH 3T3 cell lysate
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: 0.1% BSA, Tris buffered saline
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab99411 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/2000 - 1/10000. Predicted molecular weight: 86 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Serine/threonine kinase that may play a role in mediating the growth-factor and stress induced activation of the transcription factor CREB. 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 epidermal growth-factor (EGF) and result in the transcriptional activation of several immediate early genes, including proto-oncogenes FOS and JUN (By similarity). Mediates the mitogen- and stress-induced phosphorylation of high mobility group protein 14 (HMG-14).

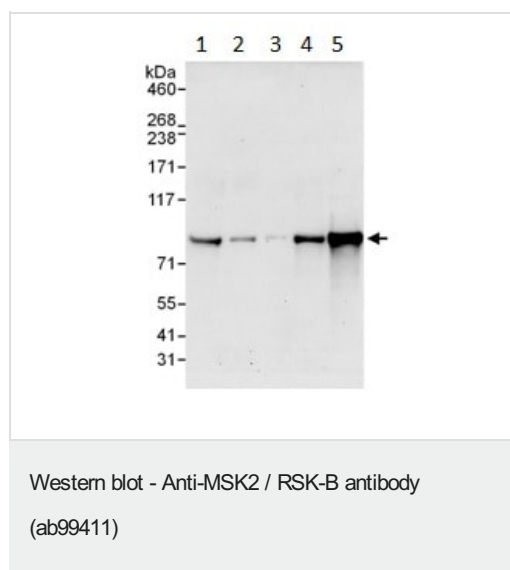
Sequence similarities

Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. S6 kinase subfamily.
Contains 1 AGC-kinase C-terminal domain.
Contains 2 protein kinase domains.

Cellular localization

Nucleus.

Images



All lanes : Anti-MSK2 / RSK-B antibody (ab99411) at 0.04 µg/ml

Lane 1 : HeLa whole cell lysate at 50 µg

Lane 2 : HeLa whole cell lysate at 15 µg

Lane 3 : HeLa whole cell lysate at 5 µg

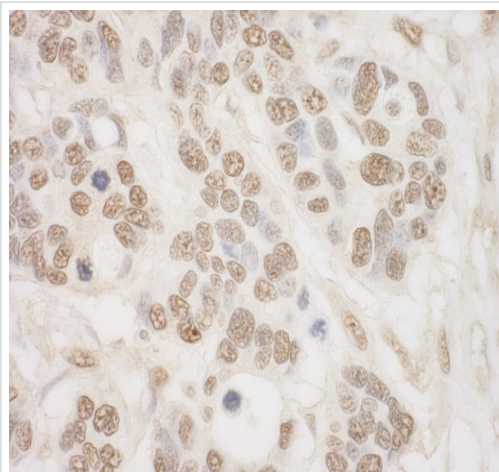
Lane 4 : 293T whole cell lysate at 50 µg

Lane 5 : NIH 3T3 whole cell lysate at 50 µg

Developed using the ECL technique.

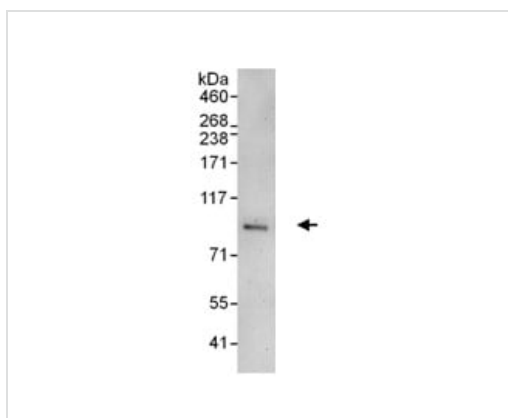
Predicted band size: 86 kDa

Exposure time: 30 seconds



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human breast carcinoma tissue labelling MSK2 / RSK-B with ab99411 at 1/200 (1µg/mg). Detection: DAB.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MSK2 / RSK-B antibody (ab99411)



Detection of MSK2 / RSK-B in immunoprecipitates of HeLa whole cell lysate (1 mg lysate for IP, 20% of IP loaded on gel) using ab99411 at 3 µg/mg lysate for IP, and at 1 µg/ml for the subsequent western blot.

Detection: chemiluminescence with an exposure time of 30 seconds.

Immunoprecipitation - Anti-MSK2 / RSK-B antibody (ab99411)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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