Datasheet for ABIN390994

anti-MSK2 antibody (C-Term)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	400 µL
Target:	MSK2 (RPS6KA4)
Binding Specificity:	AA 322-354, C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSK2 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This RSKB (MSK2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 322-354 amino acids from the C-terminal region of human RSKB (MSK2).
Clone:	RB1020
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	MSK2 (RPS6KA4)
Alternative Name:	RSKB (MSK2) (RPS6KA4 Products)

Target Details

Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the g phosphate of ATP, onto an acceptor amino acid in a substrate protein. By this basic mechanism, protein kinases mediate most of the signal transduction in eukaryotic cells, regulating cellular metabolism, transcription, cell cycle progression, cytoskeletal rearrangement and cell movement, apoptosis, and differentiation. With more than 500 gene products, the protein kinase family is one of the largest families of proteins in eukaryotes. The family has been classified in 8 major groups based on sequence comparison of their tyrosine (PTK) or serine/threonine (STK) kinase catalytic domains. The AGC kinase group consists of 63 kinases including the cyclic nucleotide-regulated protein kinase (PKA & PKG) family, the diacylglycerol-activated/phospholipid-dependent protein kinase C (PKC) family, the related to PKA and PKC (RAC/Akt) protein kinase family, the kinases that phosphorylate G protein-coupled receptors family (ARK), and the kinases that phosphorylate ribosomal protein S6 family (RSK). The calcium/calmodulin-dependent kinase (CAMK) group consists of 75 kinases regulated by Ca2+/CaM and close relative family (CAMK, CAMKL, DAPK, MAPKAPK).
Molecular Weight:	85606
Gene ID:	8986
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
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small

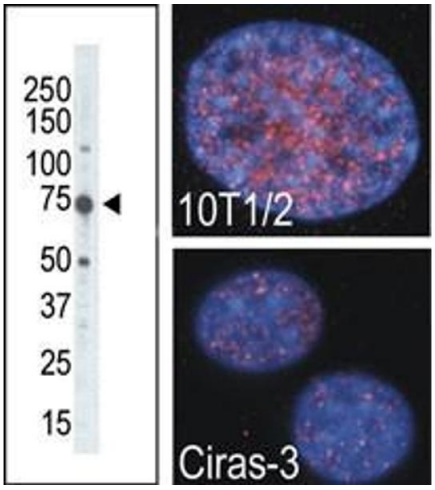
Handling

	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	Lee, McCool, Murdoch, Fritsch et al.: "Dynamic changes in histone H3 phosphoacetylation during early embryonic stem cell differentiation are directly mediated by mitogen- and stress-activated protein kinase 1 via activation of MAPK ..." in: **The Journal of biological chemistry**, Vol. 281, Issue 30, pp. 21162-72, (2006) (PubMed).

Images



Western Blotting

Image 1. The anti-MSK2 Pab (ABIN390994 and ABIN2837937) is used in Western blot to detect MSK2 in placenta tissue lysate. Indirect immunofluorescence analysis showed that MSK2 is predominantly localized in the nucleus of parental (10T1/2) and oncogene-transformed (Ciras-3) mouse fibroblasts. Cells were co-stained with DI to visualize nucleus compartment. Data is kindly provided by B. Drobic and Dr. J. Davie from University of Manitoba (Winnipeg, Canada).