

Datasheet for ABIN3031858
anti-MSK2 antibody (AA 322-354)[Go to Product page](#)

3 Images

Overview

Quantity:	0.4 mL
Target:	MSK2 (RPS6KA4)
Binding Specificity:	AA 322-354
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSK2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 322-354 from the human protein was used as the immunogen for this RSKB antibody (MSK2).
Isotype:	Ig Fraction
Purification:	Purified

Target Details

Target:	MSK2 (RPS6KA4)
Alternative Name:	RSKB (MSK2) (RPS6KA4 Products)
Background:	Protein kinases are enzymes that transfer a phosphate group from a phosphate donor, generally the γ 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,

Target Details

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).

UniProt: [075676](#)

Application Details

Application Notes: Titration of the RSKB antibody (MSK2) may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

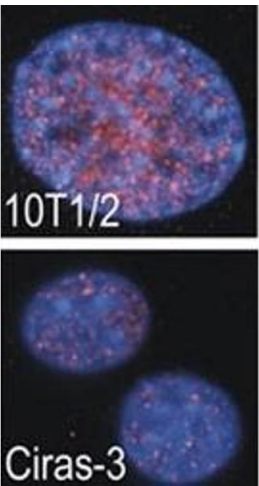
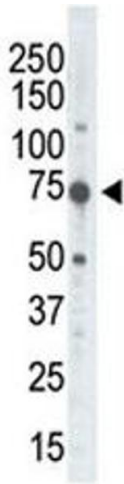
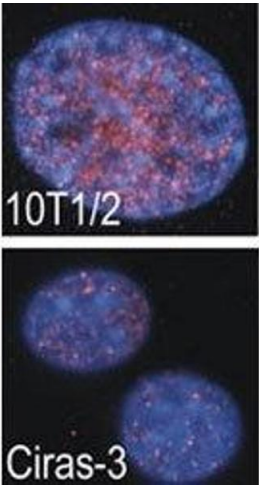
Buffer: In 1X PBS pH 7.4 with 0.09 % sodium azide

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: -20 °C

Storage Comment: Aliquot the RSKB antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunofluorescence

Image 1. Indirect IF analysis showed that RSKB is localized in the nucleus of parental (10T1/2) and oncogene-transformed (Ciras-3) mouse fibroblasts; DAPI nuclear counterstain. Courtesy of B. Drobic and Dr. J. Davie, Univ. of Manitoba.

Western Blotting

Image 2. Western blot of RSKB antibody and placenta tissue lysate

Image 3. Indirect IF analysis showed that RSKB is localized in the nucleus of parental (10T1/2) and oncogene-transformed (Ciras-3) mouse fibroblasts