

## RSK1 monoclonal antibody

Catalog: MB21114

Host: Mouse

Reactivity: Human

### BackGround:

Rsk1 is a member of a family of 90kDa ribosomal protein S6 kinases, which includes Rsk1, Rsk2 and Rsk3. These are broadly expressed serine / threonine protein kinases activated in response to mitogenic stimuli, including extracellular signal regulated protein kinases Erk1 and Erk2. Rsk1 is activated by MAPK in vitro and in vivo via phosphorylation. Active Rsks appear to play a major role in transcriptional regulation by translocating to the nucleus and phosphorylating c-Fos and CREB. RSK proteins possess two separate kinase domains, the C terminal kinase domain and the N terminal kinase domain, separated by a linker region containing a hydrophobic motif. RSK is activated by many stimuli including growth factors, phorbol esters, cAMP, heat shock, and irradiation.

### Product:

Ascitic fluid containing 0.03% sodium azide.

### Molecular Weight:

### Swiss-Prot:

Q15418

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IHC:1/200 - 1/1000

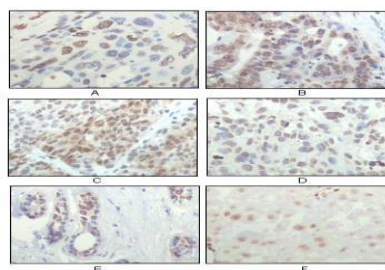
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Isotype:

Mouse IgG2b

### DATA:



Immunohistochemical analysis of paraffin-embedded human esophageal squamous cell carcinoma (A), colon adenocarcinoma (B), liver carcinoma (C), skin carcinoma (D), breast ductal tumor (E) and brain tumor (F), showing nuclear localization using RSK1 mouse mAb with DAB staining.

### Note:

For research use only, not for use in diagnostic procedure.

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