

Mouse Monoclonal Antibody to RSK1

Catalogue Number	sAP-0109
Target Molecule	Name: RSK1 Aliases: RSK; HU-1; RSK1; MAPKAPK1A; RPS6KA1 MW: N/A Entrez Gene ID: 6195
Description	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 Rsk1 appears 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.
Immunogen	Purified recombinant fragment of human RSK1 expressed in E. Coli.
Recombinant Species	Human;
Clone	MM10B1D7A9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storage	Reconstituted with 100µl sterile DI H ₂ O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Alcorta, D.A., et al. 1989. Mol. Cell. Biol. 9:3850-3859. ; 2. Sweet, L.J., et al. 1990. Mol. Cell. Biol. 10: 2413-2417. ;

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**