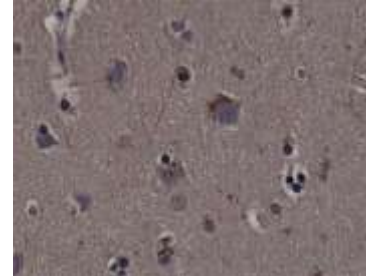


Anti-phospho-Rsk1 (Thr359/Ser363), Rabbit Monoclonal Antibody

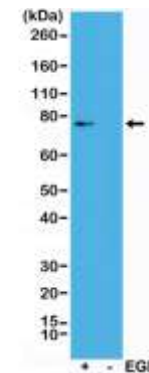
CATALOG NO:	A1132-50
ALTERNATIVE NAMES:	rsk-1, rsk 1, Active RSK1, RSK1, RSK, human RSK1, active kinase, active kinases, recombinant RSK1, recombinant RSK, kinase activity assay, protein kinase
AMOUNT:	50 µl
CLONE:	RM233
IMMUNOGEN:	A phospho-peptide corresponding to human phospho-Rsk1 (Thr359/Ser363)
HOST/ISOTYPE:	Rabbit IgG
SPECIES REACTIVITY:	Human
PURIFICATION:	Protein A affinity purified from an animal origin-free culture supernatant
FORM:	Liquid
FORMULATION:	50% Glycerol/PBS with 1% BSA and 0.09% sodium azide
SPECIFICITY:	RM233 reacts to human RSK1 only when phosphorylated at Thr359/Ser363.
STORAGE CONDITIONS:	For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles
DESCRIPTION:	The RSK (ribosomal S6 kinase) family comprises growth factor-regulated serine/threonine kinases, known also as p90(rsk). RSK1 contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. Moller described the cloning and characterization of 3 genes encoding RSKs, and HU1 (also named RPS6KA1, or RSK1) cDNA encodes a predicted 735-amino acid protein containing 2 distinct consensus ATP-binding site sequences. Northern blot and RNase protection analyses detected an approximately 3.5-kb HU1 transcript in lymphocytes, skeletal muscle, liver, and adipose tissue. Zeniou determined the expression of the RSK1, RSK2, and RSK3 genes in various human tissues, during mouse embryogenesis, and in mouse brain. RSKs are implicated in the activation of the mitogen-activated kinase (MAPK) cascade and the stimulation of cell proliferation and differentiation.

APPLICATION: WB: 1:1000 - 1:2000 dilution; IHC: 1:200 -1:500 dilution

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.



Immunohistochemical staining of formalin fixed and paraffin embedded human cerebral cortex tissue sections using Anti-phospho-Rsk1 (Thr359/Ser363) antibody at a 1:200 dilution.



Western Blot of A431 cells treated (+) or nontreated (-) with EGF, using Antiphospho-Rsk1 (Thr359/Ser363) antibody at a 1:1000 dilution, showed a band of phosphorylated Rsk1 only in EGF treated A431 cells .

RELATED PRODUCTS:

- Active RSK1 (Cat. No. 7721-5)

FOR RESEARCH USE ONLY! Not to be used on humans.