

Product Datasheet

Phospho-RSK1 p90 (T359+S363) Antibody

Catalog No: CY5344

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB IHC ICC IP



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Information

UniProt ID: Q15418

All Names: RSK; HU-1; MAPKAPK1A; RPS6KA1;p90 RSK1; RPS6K1 ; RSK 1 p90; S6K alpha 1; 90 kDa ribosomal protein S6 kinase 1 Ribosomal S6 kinase 1;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 90 kDa

Application

WB: 1:1000~1:2000

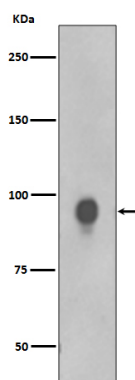
IHC: 1:50~1:100

ICC: 1:50~1:100

IP: 1:50

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.



Western blot analysis of RSK 1 p90 phosphorylation expression in K562 cell lysate treated with EGF.

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