

#9326 Store at -20°C

## p90RSK Antibody Sampler Kit



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1 Kit (4 x 20 microliters)

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**For Research Use Only. Not for Use in Diagnostic Procedures.**

Product Includes	Product #	Quantity	Mol. Wt	Isotype/Source
Phospho-p90RSK (Thr359) (D1E9) Rabbit mAb	8753	20 µl	90 kDa	Rabbit IgG
Phospho-p90RSK (Ser380) (D3H11) Rabbit mAb	11989	20 µl	90 kDa	Rabbit IgG
Phospho-p90RSK (Thr573) Antibody	9346	20 µl	90 kDa	Rabbit
RSK1/RSK2/RSK3 (32D7) Rabbit mAb	9355	20 µl	90 kDa	Rabbit IgG
Anti-rabbit IgG, HRP-linked Antibody	7074	100 µl		Goat

Please visit [cellsignal.com](https://www.cellsignal.com) for individual component applications, species cross-reactivity, dilutions, protocols, and additional product information.

### Description

The p90RSK Antibody Sampler Kit provides an economical means of evaluating levels of p90RSK protein phosphorylated at specific sites, as well as total p90RSK protein levels. The kit contains enough primary and secondary antibody to perform two Western blot experiments.

### Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA, 50% glycerol and less than 0.02% sodium azide. Store at -20°C. Do not aliquot the antibody.

### Background

The 90 kDa ribosomal S6 kinases (RSK1-4) are a family of widely expressed Ser/Thr kinases characterized by two nonidentical, functional kinase domains (1) and a carboxy-terminal docking site for extracellular signal-regulated kinases (ERKs) (2). Several sites both within and outside of the RSK kinase domain, including Ser380, Thr359, Ser363, and Thr573, are important for kinase activation (3). RSK1-3 are activated via coordinated phosphorylation by MAPKs, autophosphorylation, and phosphoinositide-3-OH kinase (PI3K) in response to many growth factors, polypeptide hormones, and neurotransmitters (3).

### Background References

1. Fisher, T.L. and Blenis, J. (1996) *Mol Cell Biol* 16, 1212-9.
2. Smith, J.A. et al. (1999) *J Biol Chem* 274, 2893-8.
3. Dalby, K.N. et al. (1998) *J Biol Chem* 273, 1496-505.

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