

# PE-04AHU95-P

## RSK3 (214-221) pY217+pS218 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on RSK3 (RPS6KA2)



**KINEXUS**

Address: 8755 Ash Street, Suite 1  
Vancouver, British Columbia,  
Canada V6P 6T3

Email: [info@kinexus.ca](mailto:info@kinexus.ca)  
Phone: 604-323-2547

### Target Protein

<b>Name Long:</b>	Ribosomal S6 protein-serine kinase 3; Ribosomal protein S6 kinase alpha-3
<b>Name Alias:</b>	90 kDa ribosomal protein S6 kinase 2; HU-2; KS6A2; MAPKAPK1C; p90-RSK3; pp90RSK3; Ribosomal protein S6 kinase alpha 2; Ribosomal protein S6 kinase, 90kDa, polypeptide 2; RPS6KA2; S6K-alpha; S6K-alpha 2
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q15349

### Peptide Structure

<b>Peptide Name:</b>	RSK3 (214-221) pY217+pS218
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	K214-G221
<b>Peptide Sequence:</b>	KRA(pY)(pS)FCG(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1264.3
<b>Observed Peptide Mass:</b>	1263.0
<b>% Peptide Purity:</b>	96.4
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAW-11
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the RSK3-pY217+pS218 rabbit polyclonal antibody (Cat. No.: PK808) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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