

# PE-04AID95-P

## AKT1 (323-329) pY326 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Akt1 (PKBa)



**KINEXUS**

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### Target Protein

|                        |  |
|------------------------|--|
| <b>Name Long:</b>      | RAC-alpha serine/threonine-protein kinase  |
| <b>Name Alias:</b>     | AKT; Akt1; AKT1 kinase; C-AKT; Kinase Akt1; PKB; PKB-alpha; PRKBA; V-akt murine thymoma viral oncogene 1; Protein kinase B; RAC; RAC-alpha serine,threonine kinase; RAC-alpha serine/threonine kinase; RAC-PK-alpha; PKBA; hCG_96740; AKT1_NEW; AKT; MGC99656; CCDS9994; B0LPE5; B2RAM5; B3KVH4; B3KXD7; B7Z5R1; Q9BV07; ENSG00000142208 |
| <b>Species Origin:</b> | Human  |
| <b>UniProt ID:</b>     | P31749   |

### Peptide Structure

|                                     |  |
|-------------------------------------|--|
| <b>Peptide Name:</b>                | AKT1 (323-329) pY326   |
| <b>Peptide Origin:</b>              | In the protein kinase catalytic domain.  |
| <b>Peptide Sequence Location:</b>   | D323-A329  |
| <b>Peptide Sequence:</b>            | DND(pY)GRA(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>   | 1063.0  |
| <b>Observed Peptide Mass:</b>     | 1063.2  |
| <b>% Peptide Purity:</b>          | 95.7  |
| <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-20   |
| <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 Akt1-pY326 rabbit polyclonal antibody (Cat. No.: PK517) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases. |
|---------------------|--|

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit [www.kinexusproducts.ca](http://www.kinexusproducts.ca) or contact us at 1-866-KINASES (546-2737)