

Product Data Sheet

Cat#	SP-81168-5
Description:	Akt Specific Substrate Peptide, Akt/PKB (AA: Arg-Pro-Arg-Ala-Ala-Thr-Phe) (MW: 817.95)
Size:	5 mg
Purity:	>95%
Store:	Desiccated at -20oC.

The sequence of this peptide (RPRAATF) is related to the sequence surrounding the phosphorylation site of Glycogen Synthase Kinase-3 (GSK3). This peptide, which has one potential phosphorylation site, is a relatively specific substrate for Akt/PKB, because it is not phosphorylated by other protein kinases such as Rsk-2 and p70 S6 Kinase. The peptide can be used to assay the activity of immunoprecipitated Akt/PKB.

References:

Alessi, D.R., et al., FEBS Letters: 399, 33-338, 1996

All peptides are for in vitro research use only.

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