

# PE-04AHK99-P

## ACK1 (515-521) pY518 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ACK1 (TNK2)



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Activated CDC42 kinase 1
<b>Name Alias:</b>	ACK; Activated Cdc42-associated kinase 1; Activated p21cdc42Hs kinase; Activated p21cdc42Hs kinase 1; Kinase ACK1; Non-receptor protein tyrosine kinase Ack; p21cdc42Hs; TNK2; Tyrosine kinase, non-receptor, 2; FLJ44758; FLJ45547; ENSG00000061938
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q07912

### Peptide Structure

<b>Peptide Name:</b>	ACK1 (515-521) pY518
<b>Peptide Origin:</b>	Just after the GTPase-binding domain. The major site of phosphorylation of ACK1.
<b>Peptide Sequence Location:</b>	K515-V521
<b>Peptide Sequence:</b>	KPT(pY)DPV(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>	1055.95
<b>Observed Peptide Mass:</b>	1054.5
<b>% Peptide Purity:</b>	99.8
<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>	KMP04CAV-57
<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 ACK1-pY518 rabbit polyclonal antibody (Cat. No.: PK512) 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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