

# PE-04APJ90-P

## RIPK2 (378-384) pY381 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on RIPK2 (RIP2, RICK)



# 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>	Receptor-interacting serine/threonine-protein kinase 2 (RIPK2)
<b>Name Alias:</b>	CARD3; CARD-containing IL-1 beta ICE-kinase; CARD-containing interleukin-1 beta converting enzyme associated kinase; CARD-containing interleukin-1 beta-converting enzyme-associated kinase; CARDIAK; GIG30; Kinase RIPK2; Receptor-interacting protein 2; Receptor-interacting serine/threonine protein kinase 2; RICK; RIP2; RIP-like-interacting CLARP kinase
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	O43353

### Peptide Structure

<b>Peptide Name:</b>	RIPK2 (378-384) pY381
<b>Peptide Origin:</b>	In the region between the kinase catalytic and RHIM domains. This is a the major in vivo phosphorylation site in RIPK1.
<b>Peptide Sequence Location:</b>	Q378-K384
<b>Peptide Sequence:</b>	QDA(pY)FMK(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>	1155.2
<b>Observed Peptide Mass:</b>	1107.1
<b>% Peptide Purity:</b>	89.91
<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>	KMP04CAX-99
<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 RIPK2-pY381 rabbit polyclonal antibody (Cat. No.: PK797) 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)