

PE-04AIK99-P

ATM (2966-2972) pY2969 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ATM



KINEXUS

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

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Ataxia telangiectasia mutated protein-serine kinase
Name Alias:	A-T, mutated; ATA; Ataxia telangiectasia mutated; Ataxia telangiectasia mutated homolog; ATC; ATD; ATDC; Kinase ATM; TEL1; TELO1; telomere maintenance 1; MGC74674; DKFZp781A0353; MGC74674; ENSG00000149311; Telomere maintenance 1
Species Origin:	Human
UniProt ID:	Q13315

Peptide Structure

Peptide Name:	ATM (2966-2972) pY2969
Peptide Origin:	Near the C-terminus of the kinase. This is the major in vivo phosphorylation site in ATM.
Peptide Sequence Location:	K2966-Q2972
Peptide Sequence:	KAL(pY)LQQ(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1116.2
Observed Peptide Mass:	1115.5
% Peptide Purity:	100
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAW-27
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the ATM-pY2969 rabbit polyclonal antibody (Cat. No.: PK527) 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.

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