PE-04AFE99-P

HSP90AB1 (481-487) pY484 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on HSP90AB1 (HSP90B; HSP90-beta)

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

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

Target Protein

Name Long:	Heat shock protein HSP 90-beta
Name Alias:	D6S182; FLJ26984; Heat shock 84 kDa; heat shock 90kD protein 1, beta; heat shock 90kDa protein 1, beta; heat shock protein 90kDa alpha (cytosolic), class B member 1; heat shock protein beta; Heat shock protein HSP 90-beta; HS90B; HSP 84; HSP 90; HSP84; HSP90-BETA; HSP90AB1; HSP90B; HSPC2; HSPCB
Species Origin:	Human
UniProt ID:	P08238

Peptide Structure

Peptide Name:	HSP90AB1 (481-487) pY484
Peptide Origin:	In the middle of the HSP90 domain. This is the major in vivo phosphorylation site in HSP90AB1.
Peptide Sequence Location:	K481-T487
Peptide Sequence:	KSI(pY)YIT(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:	1140.2
Observed Peptide Mass:	1140.1
% Peptide Purity:	98.9
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:	KMP04CAU-36
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Services as a blocking peptide for use with the HSP90AB1-pY484 rabbit polyclonal antibody (Cat. No.: PN520) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.