

PE-04AHG99-P

EML4 (223-229) pY226 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on EML4



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Target Protein

Name Long:	Echinoderm microtubule-associated protein-like 4
Name Alias:	C2orf2; DKFZp686P18118; echinoderm microtubule associated protein like 4; Echinoderm microtubule-associated protein-like 4; ELP120; EMAL4; EMAP-4; EMAPL4; EML4; FLJ10942; FLJ32318; Restrictedly overexpressed proliferation-associated protein; Ropp 120; ROPP120
Species Origin:	Human
UniProt ID:	Q9HC35

Peptide Structure

Peptide Name:	EML4 (223-229) pY226
Peptide Origin:	In the N-terminal portion of EML4 near the HELP domain. This is the major in vivo phosphorylation site in EML4.
Peptide Sequence Location:	E223-M229
Peptide Sequence:	EGE(pY)IKM(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:	1123.17
Observed Peptide Mass:	1121.6
% Peptide Purity:	99.4
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:	KMP04CAV-53
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 EML4-pY226 rabbit polyclonal antibody (Cat. No.: PN510) 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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