

PE-04AHJ99-P

ESYT1 (819-825) pY822 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ESYT1



KINEXUS

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Target Protein

Name Long:	Extended synaptotagmin-1
Name Alias:	E-Syt1; ESYT1; Extended synaptotagmin-1; extended synaptotagmin-like protein 1; FAM62A; family with sequence similarity 62 (C2 domain containing), member A; KIAA0747; MBC2; Membrane-bound C2 domain-containing protein
Species Origin:	Human
UniProt ID:	Q9BSJ8

Peptide Structure

Peptide Name:	ESYT1 (819-825) pY822
Peptide Origin:	In the fourth C2 domain. This is the major in vivo phosphorylation site in ESYT1.
Peptide Sequence Location:	L819-L825
Peptide Sequence:	LSP(pY)ATL(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:	1018.07
Observed Peptide Mass:	1017
% Peptide Purity:	100.0
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-56
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 ESYT1-pY822 rabbit polyclonal antibody (Cat. No.: PN514) 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)