

PE-04ACJ85-P

BARK1 (353-359) pY356 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on BARK1 (GRK2, ADRBK1)



KINEXUS

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Target Protein

Name Long:	Beta-adrenergic receptor kinase 1
Name Alias:	ADRBK1; Adrenergic, beta, receptor kinase 1; ARBK1; BARK; BARK1; Beta-adrenergic receptor kinase 1; Beta-ARK-1; EC 2.7.11.15; FLJ16718; G- protein coupled receptor kinase 2; Kinase GRK2
Species Origin:	Human
UniProt ID:	P25098

Peptide Structure

Peptide Name:	BARK1 (353-359) pY356
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	T353-P359
Peptide Sequence:	THG(pY)MAP(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:	1030.1
Observed Peptide Mass:	1027.9
% Peptide Purity:	85.2
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:	KMP04CAT-07
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 BARK1-Y356 rabbit polyclonal antibody (Cat. No.: PK537) 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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