

# PE-04ARY40-P

## BARK1 (347-359) pS350+pT353+pY356 Peptide Powder

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

**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Beta-adrenergic receptor kinase 1
<b>Name Alias:</b>	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
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P25098

### Peptide Structure

<b>Peptide Name:</b>	BARK1 (347-359) pS350+pT353+pY356
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	P347-P359
<b>Peptide Sequence:</b>	PHA(pS)VG(pT)HG(pY)MAP
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1737.6
<b>Observed Peptide Mass:</b>	1734.8
<b>% Peptide Purity:</b>	43.2 ?
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KLP04CAB-01
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	This phosphopeptide may 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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