



# Human ADRBK1 blocking peptide (CDBP0571)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-BARK1/GRK2 antibody
<b>Antigen Description</b>	The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific desensitization observed at high agonist concentrations. This protein is an ubiquitous cytosolic enzyme that specifically phosphorylates the activated form of the beta-adrenergic and related G-protein-coupled receptors. Abnormal coupling of beta-adrenergic receptor to G protein is involved in the pathogenesis of the failing heart. [provided by RefSeq, Jul 2008]
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ADRBK1 adrenergic, beta, receptor kinase 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ADRBK1
<b>Synonyms</b>	ADRBK1; adrenergic, beta, receptor kinase 1; GRK2; BARK1; BETA-ARK1; beta-adrenergic receptor kinase 1; beta-ARK-1; G-protein coupled receptor kinase 2;

<b>Entrez Gene ID</b>	<a href="#">156</a>
<b>mRNA Refseq</b>	<a href="#">NM_001619.3</a>
<b>Protein Refseq</b>	<a href="#">NP_001610.2</a>
<b>UniProt ID</b>	P25098
<b>Chromosome Location</b>	11q13.1
<b>Pathway</b>	CXCR4-mediated signaling events, organism-specific biosystem; Ca-dependent events, organism-specific biosystem; CaM pathway, organism-specific biosystem; Calmodulin induced events, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; DAG and IP3 signaling, organism-specific biosystem; DAP12 interactions, organism-specific biosystem; DAP12 signaling, organism-specific biosystem; Disease, organism-specific biosyste
<b>Function</b>	ATP binding; Edg-2 lysophosphatidic acid receptor binding; G-protein coupled receptor kinase activity; alpha-2A adrenergic receptor binding; beta-adrenergic receptor kinase activity; protein binding; protein kinase activity;