



Human ADRBK1 blocking peptide (CDBP0571)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-BARK1/GRK2 antibody
Antigen Description	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]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ADRBK1 adrenergic, beta, receptor kinase 1 [Homo sapiens (human)]
Official Symbol	ADRBK1
Synonyms	ADRBK1; adrenergic, beta, receptor kinase 1; GRK2; BARK1; BETA-ARK1; beta-adrenergic receptor kinase 1; beta-ARK-1; G-protein coupled receptor kinase 2;

Entrez Gene ID	156
mRNA Refseq	NM_001619.3
Protein Refseq	NP_001610.2
UniProt ID	P25098
Chromosome Location	11q13.1
Pathway	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
Function	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;
