

**Product Name: GRK2 (Phospho-Ser685) Rabbit Polyclonal Antibody****Catalog #: APRab05751**

For research use only.

**Summary**

<b>Description</b>	Rabbit polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ELISA
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Phosphorylated
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,ELISA 1:10000-1:20000
<b>Molecular Weight</b>	80kDa

**Antigen Information**

<b>Gene Name</b>	ADRBK1 BARK BARK1 GRK2
<b>Alternative Names</b>	Beta-adrenergic receptor kinase 1 (Beta-ARK-1) (EC 2.7.11.15) (G-protein coupled receptor kinase 2)
<b>Gene ID</b>	156.0
<b>SwissProt ID</b>	P25098
<b>Immunogen</b>	Synthesized phospho derived from human GRK2 (Phospho-Ser685)

**Background**

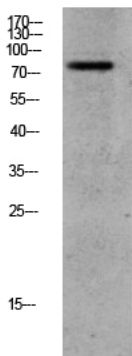
The product of this gene phosphorylates the beta-2-adrenergic receptor and appears to mediate agonist-specific

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],catalytic activity:ATP + [beta-adrenergic receptor] = ADP + [beta-adrenergic receptor] phosphate.,catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them.,online information:Beta adrenergic receptor kinase entry,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 PH domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RGS domain.,subunit:Interacts with GIT1 (By similarity). Interacts with, and phosphorylates chemokine-stimulated CCR5.,tissue specificity:Expressed in peripheral blood leukocytes.,

## Research Area

Chemokine;Endocytosis;

## Image Data



Western blot analysis of CACO2 lysate, antibody was diluted at 1000. Secondary antibody was diluted at 1:20000