

Product name:	GRK2 (Phospho-Ser685) Rabbit Polyclonal Antibody
Cat number:	ABN05751
Conjugate:	Unconjugated
Size:	100μL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	Synthesized phospho derived from human GRK2 (Phospho-Ser685)
Reactivity:	Human, Mouse, Rat
Applications:	WB 1:500-1:2000, ELISA 1:10000-1:20000
Molecular Weight:	80kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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.,