

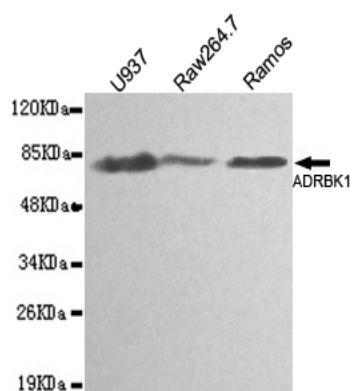


GRK2 Antibody

E2200551

Catalog Number:	E2200551
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol
Sensitivity:	This antibody detects endogenous levels of ADRBK1(C-term.) and does not cross-react with related proteins.
Entrez summary:	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]
UniPort summary	Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner.
Function:	
Immunogen:	Purified recombinant human ADRBK1(C-term.) protein fragments expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG1
Purified method:	Affinity purified
Subcellular location:	null
Reactivity:	H.M
Applications:	WB
Molecular Weight:	80kDa
UniProt number:	P25098
GeneBank ID:	NM_001619
Gene symbol:	GRK2; BARK1; BETA-ARK1
Alternate names:	beta-ARK-1 G-protein coupled receptor kinase 2

For Research Use Only



Western blot detection of ADRBK1 in U937,Raw264.7&Ramos whole cell lysate(1:1000 diluted)
Predicted band size:80KDa. Observed band size:80KDa.