



GRK1/2 rabbit pAb

Catalog No	YP-Ab-12560
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	ADRBK1 BARK BARK1 GRK2
Immunogen	Synthesized peptide derived from human GRK1/2
Specificity	This antibody detects endogenous levels of GRK1/2 at Human, Mouse, Rat
Formulation	Liquid in PBS containing 50% glycerol, and 0.51% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADRBK1; ARBK1; BARK; BARK1; Beta ARK 1; GRK1/2; ADRBK1 BARK BARK1 GRK2; Beta-adrenergic receptor kinase 1 (Beta-ARK-1) (EC 2.7.11.15) (G-protein coupled receptor kinase 2)
Observed Band	80 kDa
Calculated Molecular Weight	689 aa, 80 kDa
Cell Pathway	Cytoplasm . Cell membrane . Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse .
Tissue Specificity	Expressed in peripheral blood leukocytes.
Function	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.,

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],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images