



GRK2 (Phospho-Tyr86) Polyclonal Antibody

Catalog No	YP-Ab-10340
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	IHC;IF;WB
Gene Name	ADRBK1 BARK BARK1 GRK2
Immunogen	Synthesized peptide derived from human GRK2 (Phospho-Tyr86)
Specificity	This antibody detects endogenous phospho levels of GRK2 (Phospho-Tyr86) at Human:Y86, Mouse:Y86, Rat:Y86
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:50-200, WB 1:500-2000. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	ADRBK1;ARBK1;BARK;BARK1;Beta ARK 1;GRK 2;ADRBK1 BARK BARK1 GRK2;GRK2 (Phospho-Tyr86);Beta-adrenergic receptor kinase 1 (Beta-ARK-1; EC 2.7.11.15;G-protein coupled receptor kinase 2)
Observed Band	75kD
Calculated Molecular Weight	75kD
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],

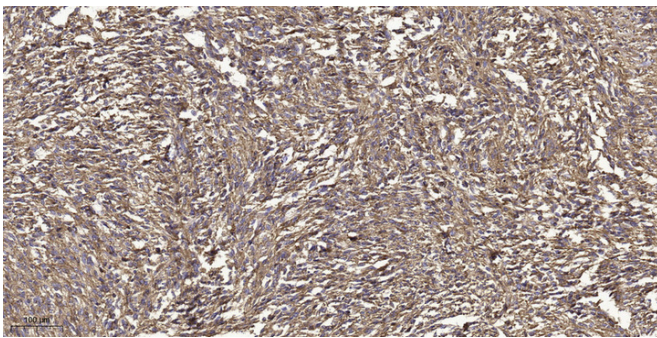
matters needing attention

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



Immunohistochemical analysis of paraffin-embedded human small intestinal carcinoma tissue. 1,primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98° C,20min). 3,Secondary antibody was diluted at 1:200