

GRK2 (Phospho Ser685) Antibody

Catalog No :	YP1225
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	GRK 2
Fields :	>>Chemokine signaling pathway;>>Endocytosis;>>Hedgehog signaling pathway;>>Glutamatergic synapse;>>Olfactory transduction;>>Morphine addiction
Gene Name :	ADRBK1 BARK BARK1 GRK2
Protein Name :	Beta-adrenergic receptor kinase 1 (Beta-ARK-1) (EC 2.7.11.15) (G-protein coupled receptor kinase 2)
Human Gene Id :	156
Human Swiss Prot No :	P25098
Mouse Swiss Prot No :	Q99MK8
Rat Gene Id :	25238
Rat Swiss Prot No :	P26817
Immunogen :	Synthesized phospho derived from human GRK2 (Phospho-Ser685)
Specificity :	This detects endogenous levels of GRK2 (Phospho-Ser685)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000, ELISA 1:10000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 80kD

Cell Pathway : Chemokine;Endocytosis;

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],

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.,

Subcellular Location : Cytoplasm . Cell membrane . Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse .

Expression : Expressed in peripheral blood leukocytes.

Products Images

138—
100—
70—
55—
40—
35—
25—
15—



Western blot analysis of CACO2 lysate, antibody was diluted at 1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000