

## GRK1/2 (Phospho Tyr13) rabbit pAb

Catalog No: YP1789

**Reactivity:** Human; Mouse; Rat

**Applications:** WB

Target: GRK1/2

**Fields:** >>Chemokine signaling pathway;>>Endocytosis;>>Hedgehog signaling

pathway;>>Glutamatergic synapse;>>Olfactory transduction;>>Morphine

addiction

**Q99MK8** 

Gene Name: ADRBK1 BARK BARK1 GRK2

**Protein Name :** GRK1/2 (Phospho-Tyr13)

Human Gene Id: 156

**Human Swiss Prot** P25098

No:

**Mouse Swiss Prot** 

No:

Rat Gene ld: 25238

Rat Swiss Prot No: P26817

Immunogen: Synthesized peptide derived from human GRK1/2 (Phospho-Tyr13)

**Specificity:** This antibody detects endogenous levels of GRK1/2 (Phospho-Tyr13) at

Human, Mouse, Rat

**Formulation :** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000

**Purification:** The antibody was affinity-purified from rabbit serum by affinity-chromatography

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using specific immunogen.

Concentration: 1 mg/ml

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

Molecularweight: 76kD

**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.,

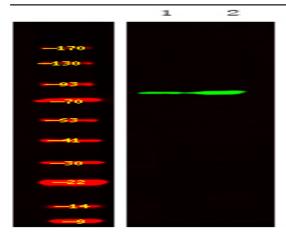
Subcellular Cytoplasm . Cell membrane . Cell junction, synapse, postsynapse . Cell junction,

**Location :** synapse, presynapse .

**Expression :** Expressed in peripheral blood leukocytes.

## **Products Images**

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Western Blot analysis of 1 Jurkat cell,2, LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody(catalog#:RS23920) was diluted at 1:10000