

## **GRK2** mouse mAb

Catalog No: YM1293

Reactivity: Human

**Applications:** WB

Target: GRK 2

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

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

addiction

Q99MK8

Gene Name: adrbk1

Human Gene Id: 156

**Human Swiss Prot** P25098

No:

**Mouse Swiss Prot** 

No:

Immunogen: Purified recombinant human GRK2 protein fragments expressed in E.coli.

**Specificity:** This antibody detects endogenous levels of GRK2 and does not cross-react with

related proteins.

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

**Source:** Monoclonal, Mouse

**Dilution:** wb 1:500

**Purification:** The antibody was affinity-purified from mouse ascites 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)

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

**Location:** synapse, presynapse.

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

**Sort :** 7134

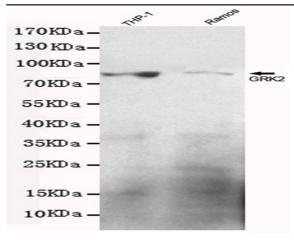
**No4:** 1

Host: Mouse

Modifications: Unmodified

## **Products Images**

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Western blot detection of GRK2 in Ramos and THP-1 cell lysates using GRK2 mouse mAb (1:500 diluted), with super ECL. Predicted band size:80KDa. Observed band size:80KDa. Exposure time:20S.