



GRK 3 Monoclonal Antibody

Catalog No	YP-mAb-14764
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	ADRBK2
Immunogen	The antiserum was produced against synthesized peptide derived from human GRK3. AA range:361-410
Specificity	GRK 3 Monoclonal Antibody detects endogenous levels of GRK 3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	G protein-coupled receptor kinase 3;EC:2.7.11.15;Beta-ARK-2;Beta-adrenergic receptor kinase 2;ADRBK2;GRK 3;BAR2;GRK3;G-protein-coupled receptor kinase 3
Observed Band	80kD
Calculated Molecular Weight	80kD
Cell Pathway	Cell junction, synapse, postsynapse . Cell junction, synapse, presynapse .
Tissue Specificity	Brain,Ovary,
Function	catalytic activity:ATP + [beta-adrenergic receptor] = ADP + [beta-adrenergic receptor] phosphate.,function:Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors.,similarity:Belongs to the protein kinase superfamily.,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.,



Background

The beta-adrenergic receptor kinase specifically phosphorylates the agonist-occupied form of the beta-adrenergic and related G protein-coupled receptors. Overall, the beta adrenergic receptor kinase 2 has 85% amino acid similarity with beta adrenergic receptor kinase 1, with the protein kinase catalytic domain having 95% similarity. These data suggest the existence of a family of receptor kinases which may serve broadly to regulate receptor function. [provided by RefSeq, Jul 2008],

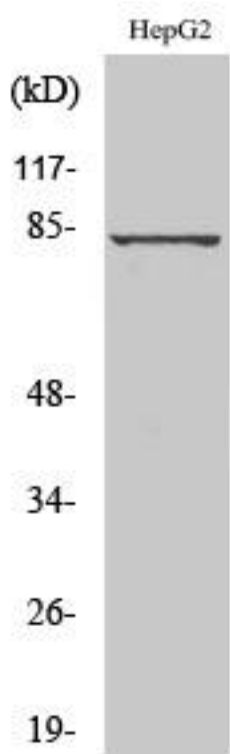
matters needing attention

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



Western Blot analysis of various cells using GRK 3 Monoclonal Antibody