Product Datasheet

GRK 2 (phospho-Ser29) Polyclonal Antibody

Catalog No: #13831

Package Size: #13831-1 50ul #13831-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	GRK 2 (phospho-Ser29) Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB,IHC-p,IF(paraffin section),ELISA
Species Reactivity	Human;Mouse;Rat
Specificity	Phospho-GRK 2 (S29) Polyclonal Antibody detects endogenous levels of GRK 2 protein only when phosphorylated at S29.
Immunogen Description	The antiserum was produced against synthesized peptide derived from human GRK2 around the phosphorylation site of Ser29. AA range:14-63
Conjugates	Unconjugated
Other Names	ADRBK1; BARK; BARK1; GRK2; Beta-adrenergic receptor kinase 1; Beta-ARK-1; G-protein coupled receptor kinase 2
Accession No.	Swiss Prot:P25098GeneID:156
SDS-PAGE MW	80
Concentration	1 mg/ml
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	-20°C/1

Application Details

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.

Background

G protein-coupled receptor kinase 2(GRK2) Homo sapiens 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],

Published Papers

el at., Pulsed radiofrequency on DRG inhibits hippocampal neuroinflammation by regulating spinal GRK2/p38 expression and enhances spinal autophagy to reduce pain and depression in male rats with spared nerve injury. In Int Immunopharmacol on 2024 Jan 25 by Xueru Xu, Ri Chen,et al..PMID:38141406, , (2024)

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Xu Xueru;Chen Ri;Yu Youfen;Yang Jing;Lin Chun;Liu Rongguo el at., Pulsed radiofrequency on DRG inhibits hippocampal neuroinflammation by

regulating spinal GRK2/p38 expression and enhances spinal autophagy to reduce pain and depression in male rats with spared nerve injury, , (2023)

PMID:

Note: This product is for in vitro research use only and is not intended for use in humans or animals.