

## 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  |
| 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 |
| Other Names           | ADRBK1; BARK; BARK1; GRK2; Beta-adrenergic receptor kinase 1; Beta-ARK-1; G-protein coupled receptor kinase 2                           |
| Accession No.         | Swiss Prot:P25098GenelD:156   |
| Uniprot               | P25098  |
| GenelD                | 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].

Note: This product is for in vitro research use only