

## GRK 2 (Phospho Ser685) Rabbit pAb

CatalogNo: YP0456 **Orthogonal Validated** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, ELISA

#### MW

- 80kD (Observed)

#### Isotype

- IgG

### Storage

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

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

### Recommended Dilution Ratios

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

**ELISA 1:5000**

**Not yet tested in other applications.**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human GRK2 around the phosphorylation site of Ser685. AA range:640-689

**Specificity** Phospho-GRK 2 (S685) Polyclonal Antibody detects endogenous levels of GRK 2 protein only when phosphorylated at S685. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RGsAN

## Target Information

**Gene name** ADRBK1 BARK BARK1 GRK2

**Protein Name** Beta-adrenergic receptor kinase 1

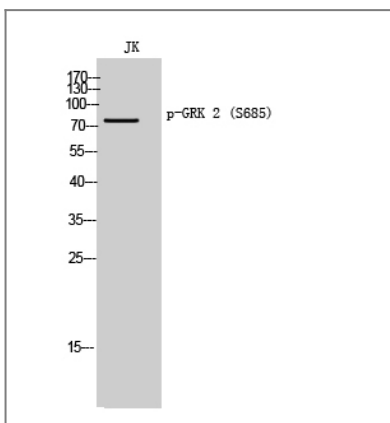
Organism	Gene ID	UniProt ID
Human	<a href="#">156</a> ;	<a href="#">P25098</a> ;
Mouse		<a href="#">Q99MK8</a> ;
Rat	<a href="#">25238</a> ;	<a href="#">P26817</a> ;

**Cellular Localization** Cytoplasm . Cell membrane . Cell junction , synapse , postsynapse . Cell junction , synapse , presynapse .

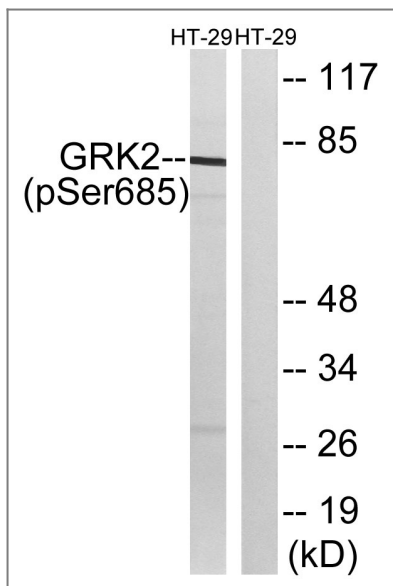
**Tissue specificity** Expressed in peripheral blood leukocytes.

**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. ,

## Validation Data



Western Blot analysis of JK cells using Phospho-GRK 2 (S685) Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from HT29 cells treated with insulin 0.01U/ml 15', using GRK2 (Phospho-Ser685) Antibody. The lane on the right is blocked with the phospho peptide.

## Contact information

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**GRK 2 (Phospho Ser685) Rabbit pAb**

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