

# GRK 2 (phospho Ser685) Polyclonal Antibody

Catalog # AP67388

#### **Product Information**

Application WB Primary Accession P25098

Reactivity Human, Mouse, Rat

Host Rabbit Clonality Polyclonal

#### **Additional Information**

Other Names ADRBK1; BARK; BARK1; GRK2; Beta-adrenergic receptor kinase 1; Beta-ARK-1;

G-protein coupled receptor kinase 2

**Dilution** WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other

applications.

Format Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium

azide.

Storage Conditions -20°C

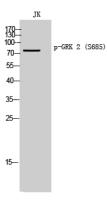
#### **Protein Information**

## **Background**

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them. Key regulator of LPAR1 signaling. Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor. Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner (PubMed: 19306925, PubMed: 19715378). Positively regulates ciliary smoothened (SMO)- dependent Hedgehog (Hh) signaling pathway by facilitating the trafficking of SMO into the cilium and the stimulation of SMO activity (By similarity).

### **Images**

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.