

Recombinant GRK2 Monoclonal Antibody

catalog number: **AN301541L**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

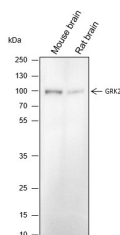
Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human GRK2 fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A240
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

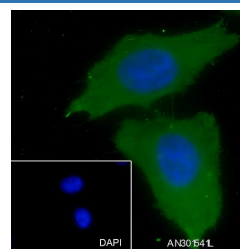
Applications	Recommended Dilution
WB	1:1000-1:5000
IF	1:50

Data



Western Blot with GRK2 Monoclonal Antibody at dilution of 1:5000. Lane 1: Mouse brain, Lane 2: Rat brain

Observed-MW:80 kDa
Calculated-MW:80 kDa



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-GRK2 Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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. 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. Inhibits relaxation of airway smooth muscle in response to blue light.

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