

Recombinant GRK2 Monoclonal Antibody

catalog number: AN301541L

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

Description

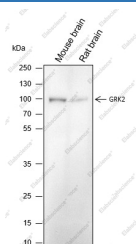
Reactivity	Human
Immunogen	A synthetic peptide of human GRK2
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331164
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:1000
IP	1:20-1:50

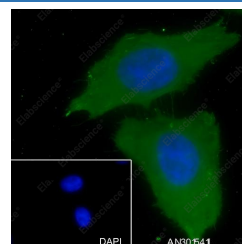
Data



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.

For Research Use Only

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