

GRK2 Rabbit mAb

Catalog No: #52765

Package Size: #52765-1 50ul #52765-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

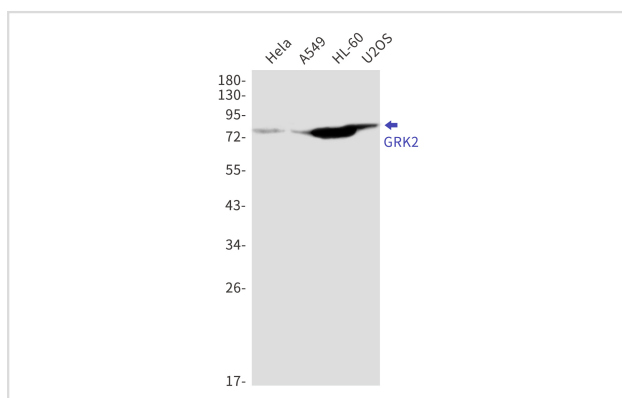
Description

Product Name	GRK2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S01-615
Isotype	IgG
Purification	Affinity Purified
Applications	WB
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human GRK2
Conjugates	Unconjugated
Modification	Unmodification
Other Names	BARK1; ADRBK1; BETA-ARK1
Accession No.	Swiss-Prot:P25098GenelD:156
Uniprot	P25098
GenelD	156
Calculated MW	Calculated MW:80 kDa,Observed MW:80 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Application Details

WB: 1/1000

Images



Western blot detection of GRK2 in HeLa,A549,HL-60,U2OS cell lysates using GRK2 Rabbit mAb(1:1000 diluted).Predicted band size:80kDa.Observed band size:80kDa.

Background

Specifically phosphorylates the agonist-occupied form of the beta-adrenergic and closely related receptors, probably inducing a desensitization of them (PubMed:19715378).

Key regulator of LPAR1 signaling (PubMed:19306925).

Competes with RALA for binding to LPAR1 thus affecting the signaling properties of the receptor (PubMed:19306925).

Desensitizes LPAR1 and LPAR2 in a phosphorylation-independent manner (PubMed:19306925).

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).

Inhibits relaxation of airway smooth muscle in response to blue light (PubMed:30284927).

Note: This product is for in vitro research use only