

产品名称: GRK2 (12K5) Rabbit Monoclonal Antibody
产品货号: AMRe11780



产品概述 (Summary)

产品名称 (Production Name)	GRK2 (12K5) Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRK2
别名 (Alternative Names)	GRK2; BARK1; FLJ16718; BETA-ARK1; ADRBK1;
基因 ID (Gene ID)	156.0
蛋白 ID (SwissProt ID)	P25098.A synthetic peptide of human GRK2

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	80kDa

研究背景 (Background)

GRK2 kinase activity and cellular localization are tightly regulated by interactions with activated receptors, G-beta and G-

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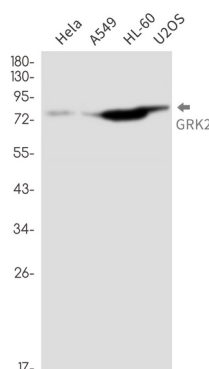


gamma subunits, adaptor proteins, phospholipids, caveolin and calmodulin, as well as by phosphorylation. PKC phosphorylation enhances GRK2 activity by promoting its membrane localization and by abolishing the inhibitory association of calmodulin. Specifically phosphorylates the agonist-occupied form 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).

研究领域 (Research Area)

Chemokine;Endocytosis;

图片 (Image Data)



Western blot detection of GRK2 in HeLa,A549,HL-60,U2OS cell lysates using GRK2 antibody(1:1000 diluted).

注意事项 (Note)

For research use only .