

产品名称: GRK 1 Rabbit Polyclonal Antibody
产品货号: APRab11772



产品概述 (Summary)

产品名称 (Production Name)	GRK 1 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	GRK1
别名 (Alternative Names)	GRK1; RHOK; Rhodopsin kinase; RK; G protein-coupled receptor kinase 1
基因 ID (Gene ID)	6011.0
蛋白 ID (SwissProt ID)	Q15835.The antiserum was produced against synthesized peptide derived from human GRK1. AA range:6-55

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	63kDa

研究背景 (Background)

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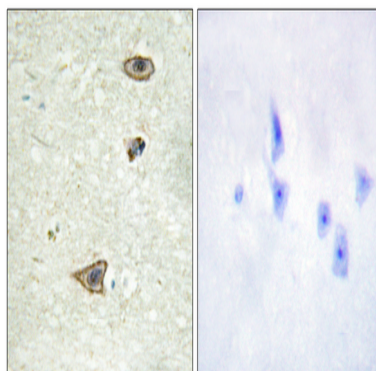


This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2). [provided by RefSeq, Jul 2008],catalytic activity:ATP + [rhodopsin] = ADP + [rhodopsin] phosphate.,disease:Defects in GRK1 are a cause of congenital stationary night blindness Oguchi type (CSNBO) [MIM:258100]; also known as Oguchi disease. Congenital stationary night blindness is a non-progressive retinal disorder characterized by impaired night vision. CSNBO is an autosomal recessive form associated with fundus discoloration and abnormally slow dark adaptation.,function:Phosphorylates rhodopsin thereby initiating its deactivation.,online information:Retina International's Scientific Newsletter,PTM:Autophosphorylated.,PTM:Farnesylation is required for full activity.,similarity:Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. GPRK subfamily.,similarity:Contains 1 AGC-kinase C-terminal domain.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 RGS domain.,tissue specificity:Retina and pineal gland.,

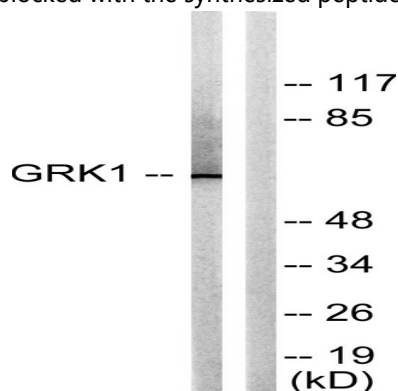
研究领域 (Research Area)

Chemokine;Endocytosis;

图片 (Image Data)



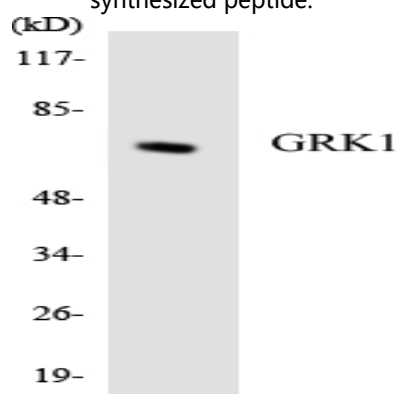
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using GRK1 Antibody. The picture on the right is blocked with the synthesized peptide.



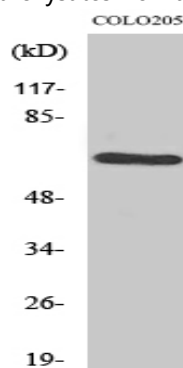
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Western blot analysis of lysates from COLO205 cells, using GRK1 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from Jurkat cells using GRK1 antibody.



Western Blot analysis of various cells using GRK 1 Polyclonal Antibody

注意事项 (Note)

For research use only .