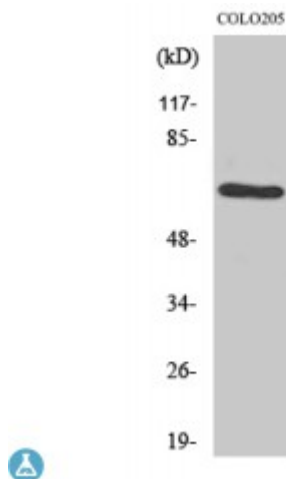


Anti-GRK 1 antibody



Description	Rabbit polyclonal to GRK 1.
Model	STJ93428
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, IHC, WB
Immunogen	Synthesized peptide derived from human GRK 1 around the non-phosphorylation site of S21.
Immunogen Region	1-80 aa
Gene ID	6011
Gene Symbol	GRK1
Dilution range	WB 1:500-1:2000IHC 1:100-1:300ELISA 1:40000
Specificity	GRK 1 Polyclonal Antibody detects endogenous levels of GRK 1 protein.
Tissue Specificity	Retinal-specific. Expressed in rods and cones cells.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Rhodopsin kinase RK G protein-coupled receptor kinase 1
Molecular Weight	63 kDa
Clonality	Polyclonal

Conjugation	Unconjugated
Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:10013OMIM:180381
Alternative Names	Rhodopsin kinase RK G protein-coupled receptor kinase 1
Function	Retina-specific kinase involved in the signal turnoff via phosphorylation of rhodopsin (RHO), the G protein- coupled receptor that initiates the phototransduction cascade. This rapid desensitization is essential for scotopic vision and permits rapid adaptation to changes in illumination.
Cellular Localization	Membrane
Post-translational Modifications	Autophosphorylated, Ser-21 is a minor site of autophosphorylation compared to Ser-491 and Thr-492 . Phosphorylation at Ser-21 is regulated by light and activated by cAMP. Farnesylation is required for full activity.

St John's Laboratory Ltd

F +44 (0)207 681 2580

T +44 (0)208 223 3081

W <http://www.stjohnslabs.com/>

E info@stjohnslabs.com