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GRK 1 Polyclonal Antibody
Catalog # AP70246

Specification

GRK 1 Polyclonal Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	Q15835
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**

GRK 1 Polyclonal Antibody - Additional Information

Gene ID 6011

Other Names
GRK1; RHOK; Rhodopsin kinase; RK; G protein-coupled receptor kinase 1

Dilution
WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
IHC-P~~N/A

Format
Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions
-20℃

GRK 1 Polyclonal Antibody - Protein Information

Name GRK1 (HGNC:10013)

Synonyms RHOK

Function
Retina-specific kinase involved in the signal turnoff via phosphorylation of rhodopsin (RHO), the G protein- coupled receptor that initiates the phototransduction cascade (PubMed:15946941). This rapid desensitization is essential for scotopic vision and permits rapid adaptation to changes in illumination (By similarity). May play a role in the maintenance of the outer nuclear layer in the retina (By similarity).

Cellular Location
Membrane {ECO:0000250|UniProtKB:P28327}; Lipid- anchor {ECO:0000250|UniProtKB:P28327}. Cell projection, cilium, photoreceptor outer segment {ECO:0000250|UniProtKB:Q9WVL4} Note=Subcellular location is not affected by light or dark conditions {ECO:0000250|UniProtKB:Q9WVL4}

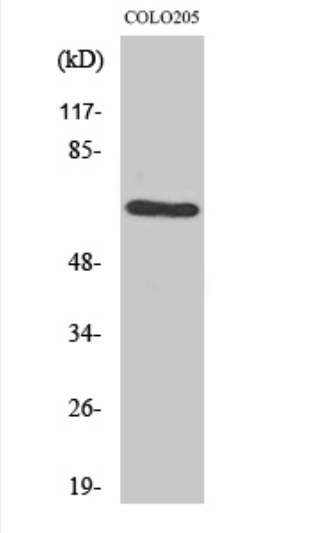
Tissue Location
Retinal-specific. Expressed in rods and cones cells.

GRK 1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GRK 1 Polyclonal Antibody - Images



Western Blot analysis of various cells using GRK 1 Polyclonal Antibody

GRK 1 Polyclonal Antibody - Background

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.