

GRK 1 Polyclonal Antibody

Catalog # AP70246

Product Information

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|-------------------|------------------------|
| Application | WB, IHC-P |
| Primary Accession | Q15835 |
| Reactivity | Human, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 63526 |

Additional Information

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|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 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°C |

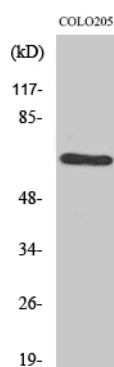
Protein Information

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|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Name | GRK1 (HGNC:10013) |
| Synonyms | RHOK |
| Function | Retina-specific kinase involved in the signal turnover 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. |

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.

Images



Western Blot analysis of various cells using GRK 1 Polyclonal Antibody

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