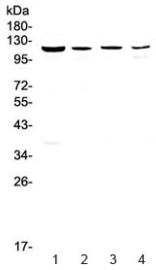
RPGR Antibody (RQ4374)

Catalog No.	Formulation	Size
RQ4374	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Rat
Predicted Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q92834
Localization	Cytoplasm, cytoskeleton
Applications	Western blot: 0.5-1ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This RPGR antibody is available for research use only.



Western blot testing of rat 1) liver, 2) kidney, 3) brain and 4) heart lysate with RPGR antibody at 0.5ug/ml. Predicted molecular weight ~113 kDa.

Description

X-linked retinitis pigmentosa GTPase regulator is a GTPase-binding protein that in humans is encoded by the RPGR gene. This gene encodes a protein with a series of six RCC1-like domains (RLDs), characteristic of the highly conserved

guanine nucleotide exchange factors. The encoded protein is found in the Golgi body and interacts with RPGRIP1. This protein localizes to the outer segment of rod photoreceptors and is essential for their viability. Mutations in this gene have been associated with X-linked retinitis pigmentosa (XLRP). Multiple alternatively spliced transcript variants that encode different isoforms of this gene have been reported, but the full-length natures of only some have been determined.

Application Notes

Optimal dilution of the RPGR antibody should be determined by the researcher.

Immunogen

A recombinant human protein corresponding to amino acids A13-F338 was used as the immunogen for the RPGR antibody.

Storage

After reconstitution, the RPGR antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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