

RPGRIP1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP8871c**Specification**

RPGRIP1 Antibody (Center) Blocking Peptide - Product Information

Primary Accession [O96KN7](#)
Other Accession [NP_065099](#)

RPGRIP1 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 57096

Other Names

X-linked retinitis pigmentosa GTPase regulator-interacting protein 1, RPGR-interacting protein 1, RPGRIP1

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP8871c](/products/AP8871c) was selected from the Center region of human RPGRIP1. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

RPGRIP1 Antibody (Center) Blocking Peptide - Protein Information

Name RPGRIP1

Function

May function as scaffolding protein. Required for normal location of RPGR at the connecting cilium of photoreceptor cells. Required for normal disk morphogenesis and disk organization in the outer segment of photoreceptor cells and for survival of photoreceptor cells.

Cellular Location

Cell projection, cilium. Note=Situated between the axonemal microtubules and the plasma membrane (By similarity). In the retinal photoreceptor cell layer, localizes at the connecting cilium, a thin bridge linking the cell body and the light-sensing outer segment (By similarity). Colocalizes with RGPR in the photoreceptor connecting cilium (By similarity).
{ECO:0000250|UniProtKB:Q9EPQ2}

Tissue Location

Strong expression in retina, with weaker expression in testis. Expressed in other neurons such as amacrine cells Colocalizes with RGPR in the outer segment of rod photoreceptors and cone outer segments.

RPGRIP1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RPGRIP1 Antibody (Center) Blocking Peptide - Images**RPGRIP1 Antibody (Center) Blocking Peptide - Background**

RPGRIP1 is a photoreceptor protein that interacts with retinitis pigmentosa GTPase regulator protein and is a key component of cone and rod photoreceptor cells.

RPGRIP1 Antibody (Center) Blocking Peptide - References

Arts,H.H.,et.al., Nat. Genet. 39 (7), 882-888 (2007)