

Product datasheet for **AP53704PU-N**

RPGR (C-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western Blot: 1/1000. Immunohistochemistry on Paraffin Sections: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 744-772 amino acids from the C-terminal region of Human RPGR
Specificity:	This antibody recognizes RPGR.
Formulation:	PBS State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.09% (W/V) Sodium Azide
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A followed by peptide affinity purification.
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	113387 Da
Gene Name:	retinitis pigmentosa GTPase regulator
Database Link:	Entrez Gene 6103 Human Q92834



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Background:

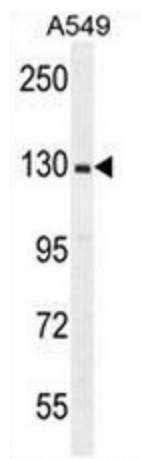
This gene encodes a protein with a series of six RCC1-like domains (RLDs), characteristic of the highly conserved guanine nucleotide exchange factors. The encoded protein is found in the Golgi body and interacts with RPGRIP1. This protein localizes to the outer segment of rod photoreceptors and is essential 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 nature of only some have been determined.

Synonyms:

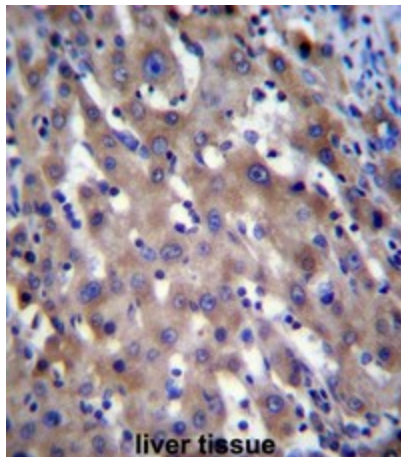
RP3, XLRP3

Protein Families:

Druggable Genome

Product images:

RPGR Antibody (C-term) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the RPGR antibody detected the RPGR protein (arrow).



RPGR Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of RPGR Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.