

Rabbit anti-Human RPGR Polyclonal Antibody | anti-RPGR antibody

RPGR Antibody (C-term)

CATALOG # AAA286293	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
-------------------------------	-----------------------	----------------------------	--

PRODUCT SYNONYMS

RPGR; Polyclonal Antibody; RPGR Antibody (C-term); X-linked retinitis pigmentosa GTPase regulator; RP3; XLRP3; anti-RPGR antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This RPGR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 744-772 amino acids from the C-terminal region of human RPGR.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	744-772
Sequence Length	815
Applicable Applications for anti-RPGR antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

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.



WB (Western Blot)

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

ADDITIONAL INFORMATION

Related Product Information for anti-RPGR antibody	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.
Product Categories/Family for anti-RPGR antibody	Neuroscience
References	Clark, G.R., et al. Ophthalmology 117(11):2169-2177(2010) Schmid, F., et al. Invest. Ophthalmol. Vis. Sci. 51(3):1628-1635(2010) Ji, Y., et al. Curr. Eye Res. 35(1):73-79(2010) Sheng, X., et al. Mol. Vis. 16, 1620-1628 (2010) : Murga-Zamalloa, C.A., et al. J. Genet. 88(4):399-407(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506581
NCBI GeneID	6103
NCBI Accession #	NP_000319.1; NP_001030025.1
NCBI GenBank Nucleotide #	NM_000328.2
UniProt Accession #	Q92834; O00702; O00737; Q3KN84; Q8N5T6; Q93039; Q9HD29; Q9UMR1; B1ARN3; E9PE28
Molecular Weight	113387
NCBI Official Full Name	X-linked retinitis pigmentosa GTPase regulator isoform A
NCBI Official Synonym Full Names	retinitis pigmentosa GTPase regulator
NCBI Official Symbol	RPGR
NCBI Official Synonym Symbols	CRD; RP3; COD1; PCDX; RP15; XLRP3; orf15; CORDX1
NCBI Protein Information	X-linked retinitis pigmentosa GTPase regulator
UniProt Protein Name	X-linked retinitis pigmentosa GTPase regulator
UniProt Gene Name	RPGR
UniProt Synonym Gene Names	RP3; XLRP3
UniProt Entry Name	RPGR_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.