

Rabbit PRPF3 Polyclonal Antibody | anti-PRPF3 antibody

PRPF3 Antibody

CATALOG # AAA327065	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry, Western Blot
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PRODUCT SYNONYMS

PRPF3; Polyclonal Antibody; PRPF3 Antibody; hPrp3; HPRP3P; Pre mRNA splicing factor 3; Pre-mRNA-splicing factor 3; Precursor mRNA-processing factor 3; S. cerevisiae; homolog of; PRP3 pre-mRNA processing factor 3 homolog (S. cerevisiae); Prp3p; PRPF3_HUMAN; RP18; SNRNP90; U4/U6 small nuclear ribonucleoprotein PRP3; U4/U6 snRNP 90 kDa protein; anti-PRPF3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PRPF3 antibody detects endogenous levels of total PRPF3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	683
Applicable Applications for anti-PRPF3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PRPF3
Subcellular Location	Nucleus Speckle. Colocalizes with spliceosomal snRNPs.
Tissue Specificity	Highly expressed in retina, liver, kidney and blood. Detected at lower levels in heart and brain.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)

AAA327065 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of Hepg2 whole cell lysates, using PRPF3 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-PRPF3 antibody	Description: The removal of introns from nuclear pre-mRNAs occurs on complexes called spliceosomes, which are made up of 4 small nuclear ribonucleoprotein (snRNP) particles and an undefined number of transiently associated splicing factors. This gene product is one of several proteins that associate with U4 and U6 snRNPs. Mutations in this gene are associated with retinitis pigmentosa-18. Function: Participates in pre-mRNA splicing. Part of the U4/U5/U6 tri-snRNP complex, one of the building blocks of the spliceosome. Subunit Structure: Interacts directly with PRPF4. Part of a heteromeric complex containing PPIH, PRPF3 and PRPF4 that is stable in the absence of RNA. Component of the U4/U6-U5 tri-snRNP complex composed of the U4, U6 and U5 snRNAs and at least PRPF3, PRPF4, PRPF6, PRPF8, PRPF31, SNRNP200, TXNL4A, SNRNP40, DDX23, CD2BP2, PPIH, SNU13, EFTUD2, SART1 and USP39. Interacts with SART3; the interaction is direct and recruits the deubiquitinase USP4 to PRPF3. Interacts with PRPF19. Interacts ('Lys-63'-linked polyubiquitinated) with PRPF8 (via the MPN (JAB/Mov34) domain); may stabilize the U4/U6-U5 tri-snRNP complex. Post-translational Modifications: Ubiquitinated. Undergoes 'Lys-63'-linked polyubiquitination by PRPF19 and deubiquitination by USP4. 'Lys-63'-linked ubiquitination increases the affinity for PRPF8 and may regulate the assembly of the U4/U6-U5 tri-snRNP complex.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758556
NCBI GeneID	9129
NCBI Accession #	NP_004689.1
NCBI GenBank Nucleotide #	NM_004698.3
UniProt Accession #	O43395; O43446; Q5VT54; B4DSY9
Molecular Weight	Observed: 78 kDa Predicted: 78 kDa
NCBI Official Full Name	U4/U6 small nuclear ribonucleoprotein Prp3 isoform 1
NCBI Official Synonym Full Names	pre-mRNA processing factor 3
NCBI Official Symbol	PRPF3
NCBI Official Synonym Symbols	PRP3; RP18; HPRP3; Prp3p; HPRP3P; SNRNP90
NCBI Protein Information	U4/U6 small nuclear ribonucleoprotein Prp3
UniProt Protein Name	U4/U6 small nuclear ribonucleoprotein Prp3
UniProt Gene Name	PRPF3
UniProt Synonym Gene Names	; hPrp3

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/prpf3-antibody-immunohistochemistry-western-blot-elisa/327065>