

## PRP8 Rabbit pAb

CatalogNo: YN1098

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- IHC, IF

#### MW

- 256kD (Observed)

#### Isotype

- IgG

### Recommended Dilution Ratios

IHC 1:50-300

IF 1:50-200

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human protein . at AA range: 160-240

**Specificity** PRP8 Polyclonal Antibody detects endogenous levels of protein.

### Target Information

**Gene name** PRPF8 PRPC8

**Protein Name** Pre-mRNA-processing-splicing factor 8 (220 kDa U5 snRNP-specific protein) (PRP8 homolog) (Splicing factor Prp8) (p220)

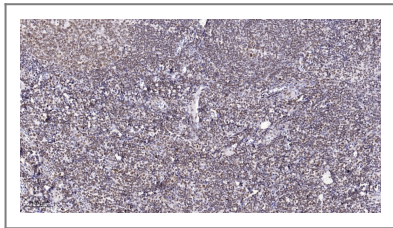
Organism	Gene ID	UniProt ID
Human	<a href="#">10594;</a>	<a href="#">Q6P2Q9;</a>
Mouse		<a href="#">Q99PV0;</a>

**Cellular Localization** Nucleus . Nucleus speckle .

**Tissue specificity** Widely expressed.

**Function** Disease:Defects in PRPF8 are the cause of retinitis pigmentosa type 13 (RP13) [MIM:600059]. RP leads to degeneration of retinal photoreceptor cells. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well. RP13 inheritance is autosomal dominant.,Function:Central component of the spliceosome, which may play a role in aligning the pre-mRNA 5'- and 3'-exons for ligation. Interacts with U5 snRNA, and with pre-mRNA 5'-splice sites in B spliceosomes and 3'-splice sites in C spliceosomes.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Contains 1 MPN (JAB/Mov34) domain.,subunit:Part of the U5 snRNP complex, and of U5.4/6 and U5.U4atac/U6atac snRNP complexes in U2- and U12-dependent spliceosomes, respectively. Found in a mRNA splicing-dependent exon junction complex (EJC) with SRRM1. Interacts with U5 snRNP proteins SNRP116 and WDR57/SPF38.,tissue specificity:Widely expressed.,

## Validation Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

## Contact information

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