

For Research Use Only

# PRPF8 Recombinant monoclonal antibody

Catalog Number:87982-1-RR



## Basic Information

<b>Catalog Number:</b> 87982-1-RR	<b>GenBank Accession Number:</b> BC064370	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10594	<b>CloneNo.:</b> 260212F12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6P2Q9	<b>Recommended Dilutions:</b> WB: 1:5000-1:50000
<b>Isotype:</b> IgG	<b>Full Name:</b> PRP8 pre-mRNA processing factor 8 homolog ( <i>S. cerevisiae</i> )	
<b>Immunogen Catalog Number:</b> AG1652	<b>Calculated MW:</b> 274 kDa	
	<b>Observed MW:</b> ~250 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HeLa cells, HeLa, Jurkat, K-562, A-431, HEK-293T, NIH/3T3, C6 cell
<b>Species Specificity:</b> human, rat	

## Background Information

Pre-mRNA processing factor 8 (PRPF8) is a highly conserved core component of the spliceosome, the ribonucleoprotein complex responsible for pre-mRNA splicing in eukaryotic cells. PRPF8 is one of the largest and most central proteins within the U5 small nuclear ribonucleoprotein (snRNP) and plays a pivotal role in coordinating the catalytic steps of intron removal and exon ligation. It directly interacts with pre-mRNA, small nuclear RNAs (snRNAs), and multiple splicing factors, acting as a structural and functional scaffold for spliceosome assembly and activity. PRPF8 is ubiquitously expressed across tissues due to its essential role in gene expression. Mutations in PRPF8 have been strongly associated with retinitis pigmentosa (RP13), a degenerative retinal disease, highlighting its importance in tissue-specific splicing regulation. Additionally, altered PRPF8 function has been implicated in cancer, myelodysplastic syndromes, and other splicing-related disorders. As a key regulator of RNA processing, PRPF8 is central to transcriptome integrity and cellular homeostasis.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

**\*\*\* 20ul sizes contain 0.1% BSA**

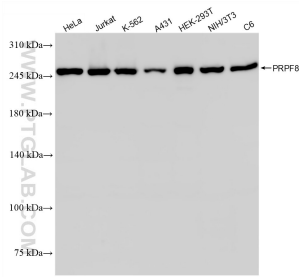
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87982-1-RR (PRPF8 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.