

PRPF8 Conjugated Antibody

Catalog No: #C49890



Package Size: #C49890-AF350 100ul #C49890-AF405 100ul #C49890-AF488 100ul
 #C49890-AF555 100ul #C49890-AF594 100ul #C49890-AF647 100ul
 #C49890-AF680 100ul #C49890-AF750 100ul #C49890-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	PRPF8 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within 100% of human PRPF8.
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	220 kDa U5 snRNP specific protein antibody 220 kDa U5 snRNP-specific protein antibody Apoptosis regulated protein 1 antibody Apoptosis regulated protein 2 antibody HPRP8 antibody p220 antibody Pre mRNA processing factor 8 antibody Pre mRNA-processing factor 8, S. cerevisiae, homolog of antibody Pre-mRNA-processing-splicing factor 8 antibody Precursor mRNA processing protein antibody PRP8 antibody PRP8 homolog antibody PRP8 pre mRNA processing factor 8 homolog antibody PRP8_HUMAN antibody PRPC8 antibody Prpf8 antibody Retinitis pigmentosa 13 (autosomal dominant) antibody RP13 antibody SNRNP220 antibody Splicing factor Prp8 antibody U5 snRNP specific protein antibody U5 snRNP specific protein (220 kD), ortholog of S. cerevisiae Prp8p antibody
Accession No.	Swiss-Prot#:Q6P2Q9
Uniprot	Q6P2Q9
GeneID	10594;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	274 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

PRP8, also designated pre-mRNA-processing-splicing factor 8, is a highly conserved nuclear protein and a central component of the catalytic core of the spliceosome, where it may be involved in various molecular rearrangements. PRP8, which is widely expressed, plays a role in transesterification reactions that regulate spliceosome-induced pre-mRNA splicing. Specifically, PRP8 interacts with the GU dinucleotide at the 5' splice site (5'SS) and forms a specific UV-inducible cross-link. It also interacts functionally with the 3'SS, affecting the efficiency of the second catalytic step. PRP8 may play a role in the first transesterification step, as PRP8 mutations that prohibit negative regulation of PRP28 or PRP44/Brr2 subsequently block U4 activation. In addition, PRP8 interacts with a conserved region of U6 that is instrumental in the formation of the catalytic core of the spliceosome.

Note: This product is for in vitro research use only