Immunotag™ PRPF31 Polyclonal Antibody

Antibody Specification

Catalog No.	ITT3867
Product Description	Immunotag™ PRPF31 Polyclonal Antibody
Size	50 µg, 100 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	PRPF31
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,ELISA
Recommended Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	The antiserum was produced against synthesized peptide derived from human PRP31. AA range:331-380
Specificity	PRPF31 Polyclonal Antibody detects endogenous levels of PRPF31 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen
Form	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Gene Name	PRPF31
Accession No.	Q8WWY3 Q8CCF0
Alternate Names	PRPF31; PRP31; U4/U6 small nuclear ribonucleoprotein Prp31; Pre-mRNA-processing factor 31; Serologically defined breast cancer antigen NY-BR-99; U4/U6 snRNP 61 kDa protein; Protein 61K; hPrp31

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Description	pre-mRNA processing factor 31(PRPF31) Homo sapiens This gene encodes a component of the spliceosome complex and is one of several retinitis pigmentosa-causing genes. When the gene product is added to the spliceosome complex, activation occurs.[provided by RefSeq, Jan 2009],
Cell Pathway/ Category	Spliceosome,
Protein Expression	Brain,Kidney,Mammary gland,Testis,
Subcellular Localization	nucleus,nucleoplasm,U2-type spliceosomal complex,U4 snRNP,U4atac snRNP,Cajal body,nuclear speck,viral nucleocapsid,U4/U6 x U5 tri-snRNP complex,precatalytic spliceosome,MLL1 complex,
Protein Function	disease:Defects in PRPF31 are the cause of retinitis pigmentosa type 11 (RP11) [MIM:600138]. 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. RP11 inheritance is autosomal dominant.,function:Involved in pre-mRNA splicing. Required for U4/U6.U5 tri-snRNP formation.,similarity:Contains 1 Nop domain.,subcellular location:Predominantly found in speckles and in Cajal bodies.,subunit:Part of a tri-snRNP complex. Interacts with C20orf14/U5 snRNP-associated 102 kDa protein.,tissue specificity:Ubiquitously expressed.,
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.