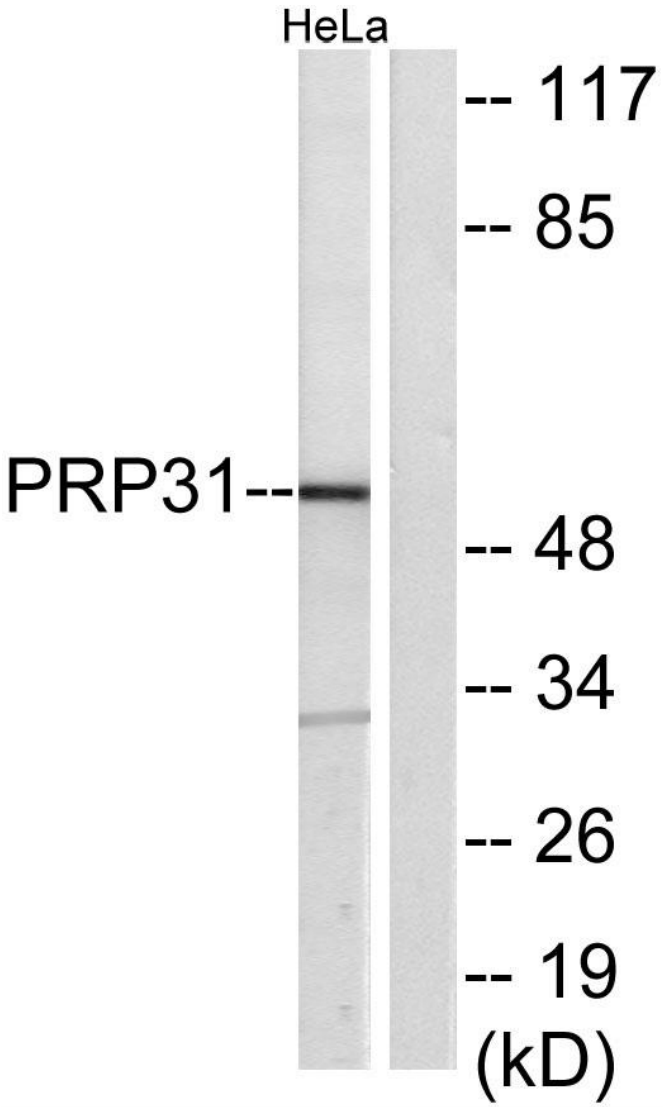
PRPF31 Monoclonal Antibody

Catalog No	BYmab-01961
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	PRPF31
Protein Name	U4/U6 small nuclear ribonucleoprotein Prp31
Immunogen	The antiserum was produced against synthesized peptide derived from human PRP31. AA range:331-380
Specificity	PRPF31 Monoclonal Antibody detects endogenous levels of PRPF31 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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
Observed Band	55kD
Cell Pathway	Nucleus . Nucleus speckle . Nucleus, Cajal body . Predominantly found in speckles and in Cajal bodies. .
Tissue Specificity	Ubiquitously expressed.
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.,
Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using PRPF31 Monoclonal Antibody