


Product datasheet

Anti-PRPF31 antibody ab2467

Overview

Product name	Anti-PRPF31 antibody
Description	Goat polyclonal to PRPF31
Host species	Goat
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Dog 
Immunogen	Synthetic peptide: LKVKGEKSGLMST, corresponding to C terminal amino acids 487-499 of Human PRPF31. Run BLAST with ExPASy Run BLAST with NCBI
Positive control	A431 lysate.
General notes	Principal Names - PRPF31; PRP31 pre-mRNA processing factor 31 homolog (yeast); RP11; PRP31; NY-BR-99; DKFZp566J153; pre-mRNA processing factor 31 homolog (yeast). Official Gene Symbol - PRPF31. GenBank Accession Number – NP_056444. LocusLink ID - 26121.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, 5mg/ml Tris, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab2467** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 62 kDa (predicted molecular weight: 55 kDa). Can be blocked with Human PRPF31 peptide (ab22909) .

Target

Function	Involved in pre-mRNA splicing. Required for U4/U6.U5 tri-snRNP formation.
Tissue specificity	Ubiquitously expressed.
Involvement in 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.
Sequence similarities	Belongs to the PRP31 family. Contains 1 Nop domain.
Domain	Interacts with the snRNP via the Nop domain. The coiled coil domain is formed by two non-contiguous helices.
Cellular localization	Nucleus speckle. Nucleus > Cajal body. Predominantly found in speckles and in Cajal bodies.

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