

For Research Use Only

PRPF3 Polyclonal antibody, PBS Only

Catalog Number:10106-1-PBS



Basic Information

Catalog Number:

10106-1-PBS

Size:

100ug , Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG0154

GenBank Accession Number:

BC000184

GeneID (NCBI):

9129

UNIPROT ID:

O43395

Full Name:

PRP3 pre-mRNA processing factor 3 homolog (S. cerevisiae)

Calculated MW:

78 kDa

Observed MW:

90 kDa, 78 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

The pre-mRNA splicing occurs in spliceosomes, which consist of four ribonucleoprotein (snRNP) particles (U1, U2, U5 and U4/U6) and more than fifty proteins. This U4/U6-associated splicing factor, Hprp3p, is a 77 kDa protein, which is homologous to the *Saccharomyces cerevisiae* splicing factor Prp3p and may play a role in spliceosome assembly. Western blot analysis of HeLa cell nuclear extracts detected PRP3 protein at an apparent molecular mass of about 90 kD (PMID: 9328476). The discrepancy between the molecular mass reported here and that predicted from the Hprp3p coding sequence can be attributed, at least partially, to the highly positive charge; its value of predicted isoelectric point (IP) is 9.99. This antibody is a rabbit polyclonal antibody raised against an internal region of human PRPF3. A predicted molecular mass of 77 kDa and the gene is named PRPF3 because it is homologous to the yeast PRP3 gene. We noticed that although the predicted molecular mass of PRPF3 is 77 kDa, the protein produced in *E. coli* migrated like a 90 kDa protein in SDS-PAGE. (PMID: 9328476)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

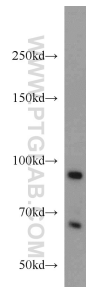
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

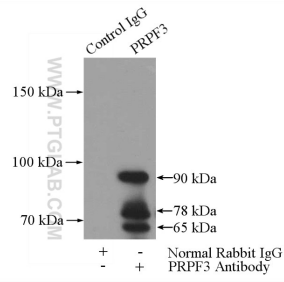
E: proteintech@ptglab.com
W: ptglab.com

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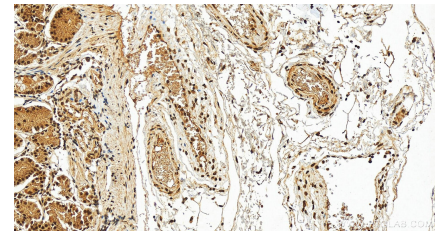
Selected Validation Data



Y79 cells were subjected to SDS PAGE followed by western blot with 10106-1-AP (PRPF3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10106-1-PBS in a different storage buffer formulation.



IP result of anti-PRPF3 (IP:10106-1-AP, 5ug; Detection:10106-1-AP 1:500) with mouse liver tissue lysate 4000ug. This data was developed using the same antibody clone with 10106-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10106-1-AP (PRPF3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10106-1-PBS in a different storage buffer formulation.