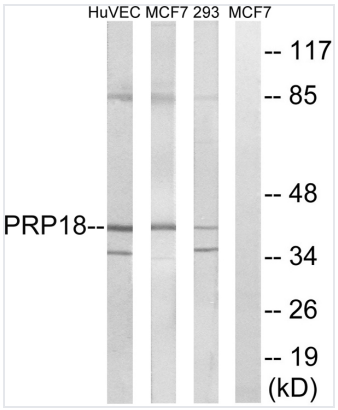
PRPF18 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PRPF18, Polyclonal Antibody
Full Product Name	PRPF18 Antibody
Product Gene Name	anti-PRPF18 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PRPF18 Antibody detects endogenous levels of total PRPF18 protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	39 kDa
OMIM	U51990 mRNA
3D Structure	ModBase 3D Structure for Q99633
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PRPF18.
Immunogen Range	182-231
Applications Tested/Suitable for anti-PRPF18 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PRPF18 antibody	WB: 1:500~1:1000 ELISA: 1:5000
Related Product Information for anti-PRPF18 antibody	MBS9506725 is an antibody targeting PRPF18. Also known as PRPF18 Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PRPF18 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PRPF18 antibody
Western blot analysis of lysates from 293, MCF-7, and HUVEC cells, using PRPF18 Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PRPF18. It may not necessarily be applicable to this product.

NCBI GI #	4506123
NCBI GeneID	8559
NCBI Accession #	NP_003666.1
UniProt Primary Accession #	Q99633
UniProt Secondary Accession #	Q5T9P9; Q9BUI9
UniProt Related Accession #	Q99633
GenBank Nucleotide #	NM_003675.3
NCBI Official Full Name	pre-mRNA-splicing factor 18
NCBI Official Synonym Full Names	pre-mRNA processing factor 18
NCBI Official Symbol	PRPF18
NCBI Official Synonym Symbols	PRP18; hPrp18
UniProt Protein Name	Pre-mRNA-splicing factor 18
UniProt Synonym Protein Names	PRP18 homolog; hPRP18
UniProt Gene Name	PRPF18
UniProt Synonym Gene Names	HPRP18; hPRP18
NCBI Protein Information	pre-mRNA-splicing factor 18
NCBI Summary for PRPF18	Pre-mRNA splicing occurs in 2 sequential transesterification steps. The protein encoded by this gene is found to be essential for the catalytic step II in pre-mRNA splicing process. It is found in the spliceosome, and contains seven WD repeats, which function in protein-protein interactions. This protein has a sequence similarity to the yeast splicing factor Prp18. [provided by RefSeq, Jul 2008]
UniProt Comments for PRPF18	Participates in the second step of pre-mRNA splicing.
Research Articles on PRPF18	**1.** We identified the pre-mRNA processing factor Prp18 as a stimulatory factor for influenza virus RNA synthesis. Prp18 facilitates the elongation reaction of viral polymerases by preventing the deleterious annealing of newly synthesized RNA to the template. Prp18 functions as a chaperone for NP to stimulate the formation of NP-RNA complexes.

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