

PRPF8 Rabbit mAb

Catalog No: #49890

Package Size: #49890-1 50ul #49890-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

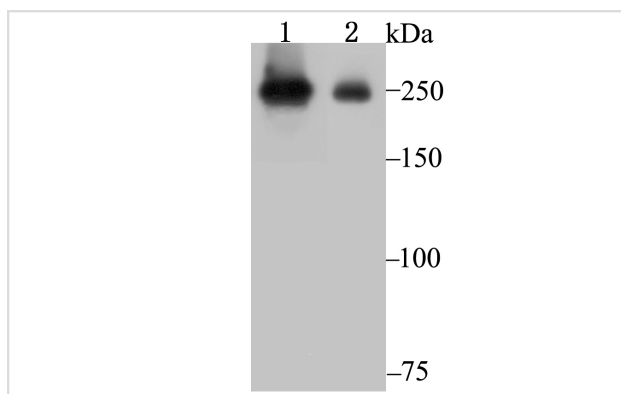
Description

Product Name	PRPF8 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JG57-38
Purification	ProA affinity purified
Applications	WB,ICC,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within 1C200 of human PRPF8.
Other Names	220 kDa U5 snRNP specific protein antibody 220 kDa U5 snRNP-specific protein antibody Apoptosis regulated protein 1 antibody Apoptosis regulated protein 2 antibody HPRP8 antibody p220 antibody Pre mRNA processing factor 8 antibody Pre mRNA-processing factor 8, S. cerevisiae, homolog of antibody Pre-mRNA-processing-splicing factor 8 antibody Precursor mRNA processing protein antibody PRP8 antibody PRP8 homolog antibody PRP8 pre mRNA processing factor 8 homolog antibody PRP8_HUMAN antibody PRPC8 antibody Prpf8 antibody Retinitis pigmentosa 13 (autosomal dominant) antibody RP13 antibody SNRNP220 antibody Splicing factor Prp8 antibody U5 snRNP specific protein antibody U5 snRNP specific protein (220 kD), ortholog of S. cerevisiae Prp8p antibody
Accession No.	Swiss-Prot#:Q6P2Q9
Uniprot	Q6P2Q9
GeneID	10594;
Calculated MW	274 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

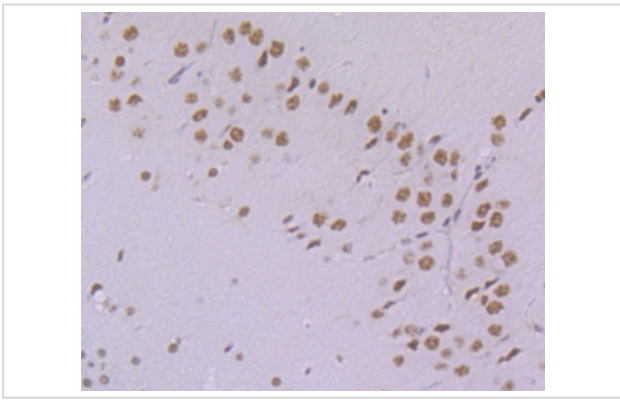
Application Details

WB: 1:500-1:2,000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

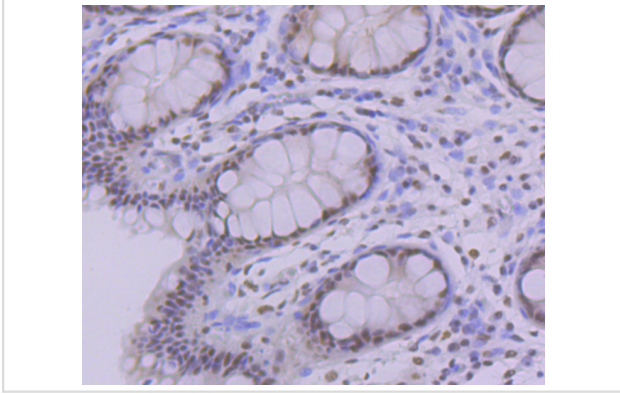
Images



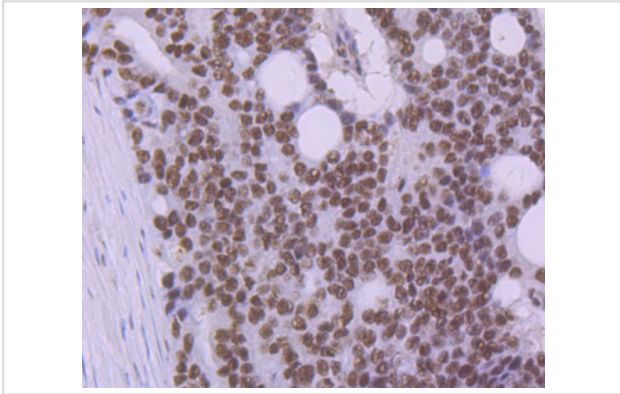
Western blot analysis of PRPF8 on SiHa (1) and A549 (2) cell lysate using anti-PRPF8 antibody at 1/1,000 dilution.



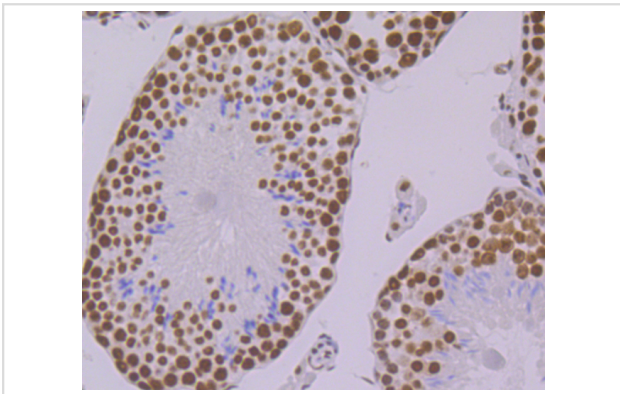
Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-PRPF8 antibody. Counter stained with hematoxylin.



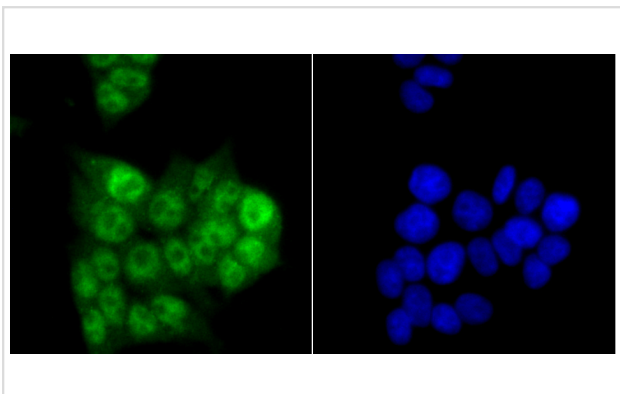
Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-PRPF8 antibody. Counter stained with hematoxylin.



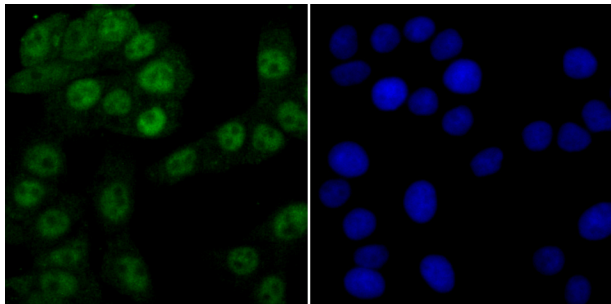
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-PRPF8 antibody. Counter stained with hematoxylin.



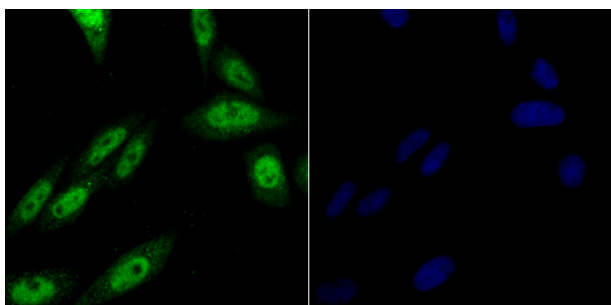
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-PRPF8 antibody. Counter stained with hematoxylin.



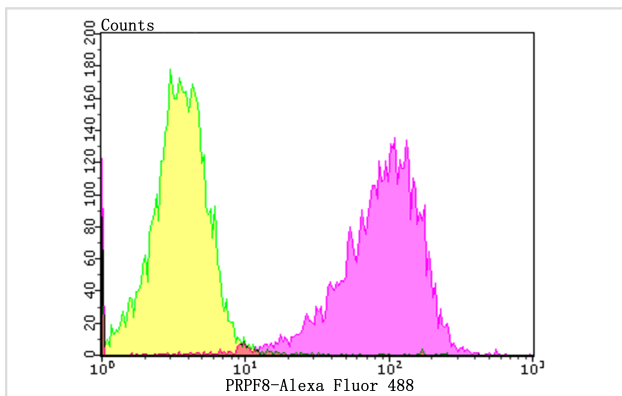
ICC staining PRPF8 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRPF8 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRPF8 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of A549 cells with PRPF8 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

PRP8, also designated pre-mRNA-processing-splicing factor 8, is a highly conserved nuclear protein and a central component of the catalytic core of the spliceosome, where it may be involved in various molecular rearrangements. PRP8, which is widely expressed, plays a role in transesterification reactions that regulate spliceosome-induced pre-mRNA splicing. Specifically, PRP8 interacts with the GU dinucleotide at the 5' splice site (5'SS) and forms a specific UV-inducible cross-link. It also interacts functionally with the 3'SS, affecting the efficiency of the second catalytic step. PRP8 may play a role in the first transesterification step, as PRP8 mutations that prohibit negative regulation of PRP28 or PRP44/Brr2 subsequently block U4 activation. In addition, PRP8 interacts with a conserved region of U6 that is instrumental in the formation of the catalytic core of the spliceosome.

References

Note: This product is for in vitro research use only