Product Datasheet

PRP19 Rabbit mAb

Catalog No: #48969

Package Size: #48969-1 50ul #48969-2 100ul

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

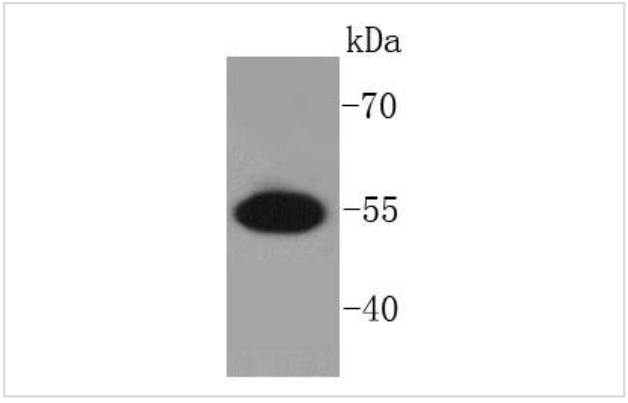
Description

Product Name	PRP19 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SC06-53
Purification	ProA affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	hPso4 antibody NMP200 antibody Nuclear matrix protein 200 antibody Nuclear matrix protein NMP200 related to splicing factor PRP19 antibody pre mRNA processing factor 19 antibody Pre-mRNA-processing factor 19 antibody PRP19 antibody PRP19/PSO4 homolog antibody PRP19/PSO4 pre-mRNA processing factor 19 homolog (S. cerevisiae) antibody PRP19_HUMAN antibody PRPF19 antibody PSO4 antibody psoralen 4 antibody Senescence evasion factor antibody SNEV antibody UBOX4 antibody
Accession No.	Swiss-Prot#:Q9UMS4
Uniprot	Q9UMS4
GeneID	27339;
Calculated MW	55 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

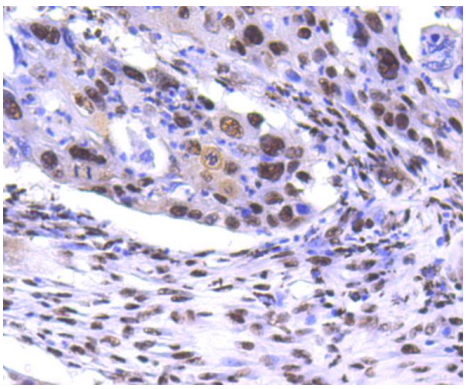
Application Details

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

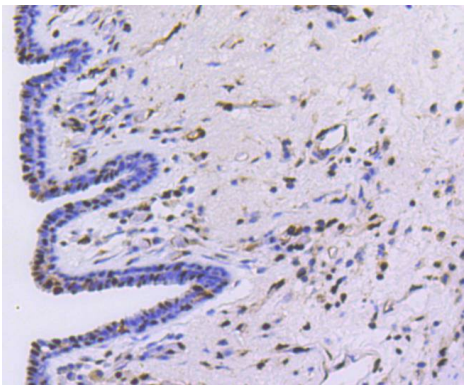
Images



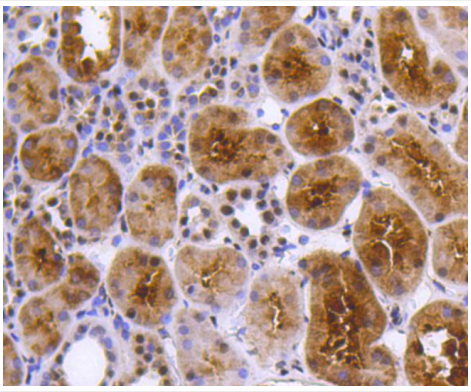
Western blot analysis of PRP19 on Jurkat cells lysates using anti-PRP19 antibody at 1/1,000 dilution.



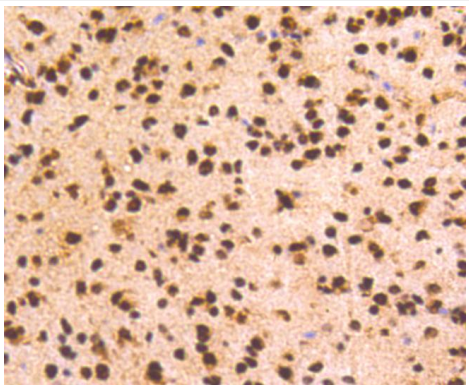
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-PRP19 antibody. Counter stained with hematoxylin.



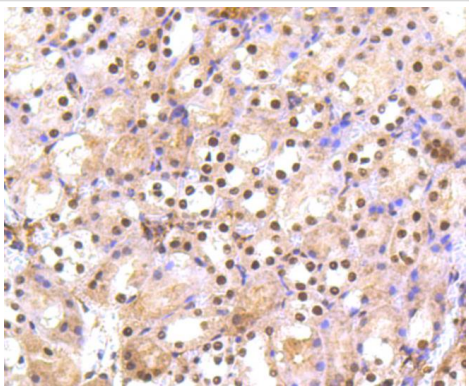
Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using anti-PRP19 antibody. Counter stained with hematoxylin.



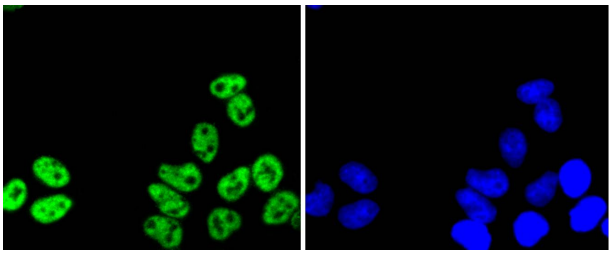
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-PRP19 antibody. Counter stained with hematoxylin.



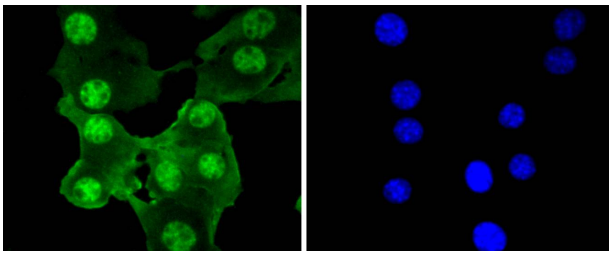
Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PRP19 antibody. Counter stained with hematoxylin.



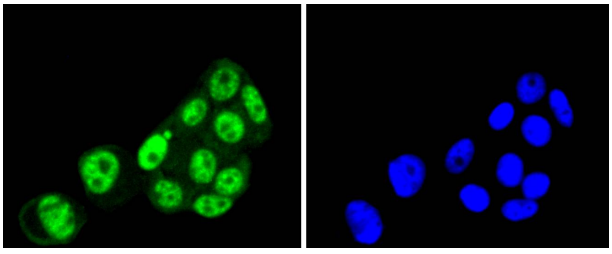
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-PRP19 antibody. Counter stained with hematoxylin.



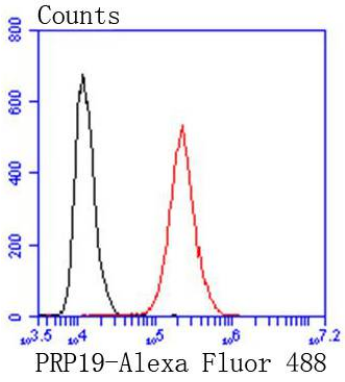
ICC staining PRP19 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRP19 in B16-F1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining PRP19 in MCF-7 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 Hela cells with PRP19 antibody at 1/50 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

The spliceosome, the 0gigantic molecular machine that performs pre-mRNA splicing in eukaryotes, contains over 200 different proteins and five RNA molecules (U1, U2, U4, U5 and U6). Pre-mRNA splicing is essential to remove internal non-coding regions of pre-mRNA (introns) and to join the remaining segments (exons) into mRNA before translation. The PRP19-associated complex is required for stable association of U5 and U6 with the spliceosome after U4 is released. Changes within the spliceosome upon binding of the PRP19-associated complex include remodeling of the U6/5' splice site interaction and destabilization of Lsm proteins to allow further interaction of U6 with the intron sequence.

References

Note: This product is for in vitro research use only