

Product datasheet for **TA329843**

PRP19 (PRPF19) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-PRPF19 antibody: synthetic peptide directed towards the middle region of human PRPF19. Synthetic peptide located within the following region: PSVVGAGEPMDLGELVGMTPEIIQKLQDKATVLTTERKKRGKTVPEELVK
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	pre-mRNA processing factor 19
Database Link:	NP_055317 Entrez Gene 28000 Mouse Entrez Gene 27339 Human Q9UMS4



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Background: PRPF19 plays a role in DNA double-strand break (DSB) repair and pre-mRNA splicing reaction. It binds double-stranded DNA in a sequence-nonspecific manner. PRPF19 acts as a structural component of the nuclear framework. It may also serve as a support for spliceosome binding and activity. It is essential for spliceosome assembly in a oligomerization-dependent manner and might also be important for spliceosome stability. It also may have E3 ubiquitin ligase activity. The PSO4 complex is required in the DNA interstrand cross-links (ICLs) repair process. Overexpression of PRPF19 might extend the cellular life span by increasing the resistance to stress or by improving the DNA repair capacity of the cells. In *S. cerevisiae*, Pso4 has pleiotropic functions in DNA recombination and in error-prone nonhomologous end-joining DNA repair. [supplied by OMIM]

Synonyms: hPSO4; NMP200; PRP19; PSO4; SNEV; UBOX4

Note: Immunogen sequence homology: Dog: 100%; Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Zebrafish: 100%; Guinea pig: 100%

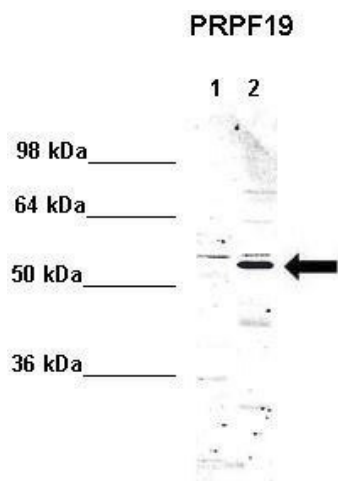
Protein Families: Druggable Genome

Protein Pathways: Spliceosome, Ubiquitin mediated proteolysis

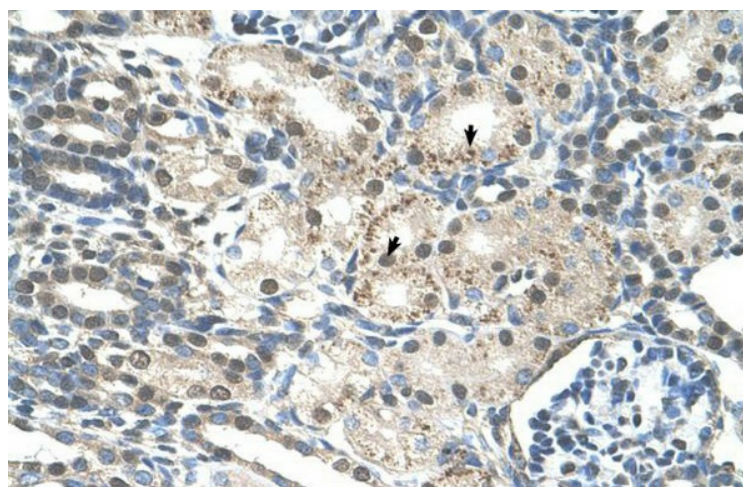
Product images:



WB Suggested Anti-PRPF19 Antibody Titration: 2.5 ug/ml; Positive Control: Jurkat cell lysate



WB Suggested Anti-PRPF19 Antibody ; Positive Control: Lane 1: 5ug mouse brain cytoplasm Lane 2: 5ug mouse brain nucleus; Primary Antibody Dilution : 1:1000; Secondary Antibody : Anti rabbit - IR-dye; Secondary Antibody Dilution : 1:10,000; Submitted by: An



Human kidney