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anti-PRP19 antibody (Middle Region)

3 Images



Publication



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Overvi	ev

Quantity:	100 µĽ
Target:	PRP19 (PRPF19)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Cow, Dog, Horse, Rabbit, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PRP19 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)
Product Details	
Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human PRPF19
Immunogen: Sequence:	The immunogen is a synthetic peptide directed towards the middle region of human PRPF19 PSVVGAGEPM DLGELVGMTP EIIQKLQDKA TVLTTERKKR GKTVPEELVK
Sequence:	PSVVGAGEPM DLGELVGMTP EIIQKLQDKA TVLTTERKKR GKTVPEELVK Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit:
Sequence: Predicted Reactivity:	PSVVGAGEPM DLGELVGMTP EIIQKLQDKA TVLTTERKKR GKTVPEELVK Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% This is a rabbit polyclonal antibody against PRPF19. It was validated on Western Blot and
Sequence: Predicted Reactivity: Characteristics:	PSVVGAGEPM DLGELVGMTP EIIQKLQDKA TVLTTERKKR GKTVPEELVK Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 100% This is a rabbit polyclonal antibody against PRPF19. It was validated on Western Blot and immunohistochemistry.

Target Details

Alternative Name:	PRPF19 (PRPF19 Products)
Background:	PRPF19 plays a role in DNA double-strand break (DSB) repair and pre-mRNA splicing reaction. I
	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].
	Alias Symbols: NMP200, PRP19, PS04, UBOX4, hPS04, SNEV
	Protein Interaction Partner: HUWE1, USP4, UBE2D3, SUMO2, CEP76, CEP250, TUBGCP3,
	CEP57, VCP, UBC, SUMO1, NEDD8, LIN28A, EXOC7, EXOC3, RPA3, RPA2, RPA1, RNF2, SUZ12,
	EED, rev, MEPCE, SEC13, PARK2, TARDBP, UBD, CSNK2A2, UCHL5, WHSC1, U2AF1, PRCC,
	HSP90AA1, HSPB1, FN1, RBM10, vif, CDC40
	Protein Size: 504
Molecular Weight:	55 kDa
Gene ID:	27339
NCBI Accession:	NM_014502, NP_055317
UniProt:	Q9UMS4
Pathways:	Ribonucleoprotein Complex Subunit Organization
Application Details	
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 504 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific

Handling

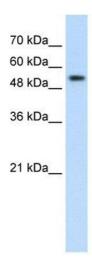
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in:

Wang, Sips, Khin, Rotival, Sun, Ahmed, Widjaja, Schafer, Yusoff, Choksi, Ko, Singh, Epstein, Guan, Houštěk, Mracek, Nuskova, Mikell, Tan, Pesce, Kolar, Bottolo, Mancini, Hubner, Pravenec, Petretto et al.: "Wars2 is a determinant of angiogenesis. ..." in: **Nature communications**, Vol. 7, pp. 12061, (2016) (PubMed).

Images



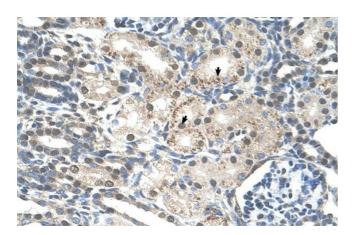
Western Blotting

Image 1. WB Suggested Anti-PRPF19 Antibody Titration:2.5ug/ml Positive Control: Jurkat cell lysate

PRPF19 1 2 98 kDa_____ 64 kDa____ 50 kDa____ 36 kDa____

Western Blotting

Image 2. 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 Secondry Antibody Dilution : 1:10,000 Submitted by: Anonymous



Immunohistochemistry

Image 3. Human kidney