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PRPF19 Antibody (monoclonal) (M07)

Mouse monoclonal antibody raised against a partial recombinant PRPF19.
Catalog # AT3441a

Product Information

Application	WB, IF, E
Primary Accession	Q9UMS4
Other Accession	NM_014502
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2E6
Calculated MW	55181

Additional Information

Gene ID	27339
Other Names	Pre-mRNA-processing factor 19, 632-, Nuclear matrix protein 200, PRP19/PSO4 homolog, hPso4, Senescence evasion factor, PRPF19 (HGNC:17896)
Target/Specificity	PRPF19 (NP_055317, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	PRPF19 Antibody (monoclonal) (M07) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

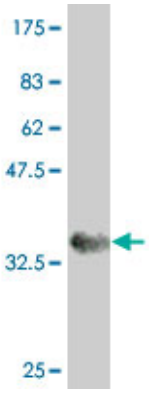
PSO4 is the human homolog of yeast Pso4, a gene essential for cell survival and DNA repair (Beck et al., 2008 [PubMed 18263876]).

References

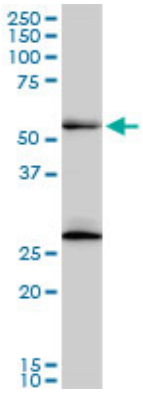
Regulation of Metnase's TIR binding activity by its binding partner, Pso4. Beck BD, et al. Arch Biochem Biophys, 2010 Jun 15. PMID 20416268.Molecular architecture of the human Prp19/CDC5L complex. Grote M, et al. Mol Cell Biol, 2010 May. PMID 20176811.Blom7alpha is a novel heterogeneous nuclear

ribonucleoprotein K homology domain protein involved in pre-mRNA splicing that interacts with SNEVPrp19-Pso4. Grillari J, et al. J Biol Chem, 2009 Oct 16. PMID 19641227.Human Pso4 is a metnase (SETMAR)-binding partner that regulates metnase function in DNA repair. Beck BD, et al. J Biol Chem, 2008 Apr 4. PMID 18263876.Large-scale mapping of human protein-protein interactions by mass spectrometry. Ewing RM, et al. Mol Syst Biol, 2007. PMID 17353931.

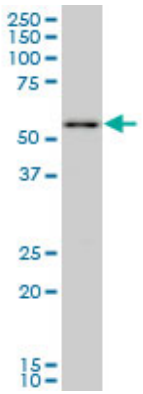
Images



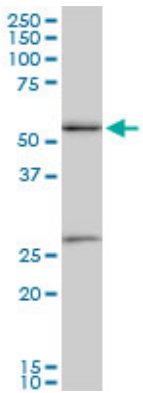
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .



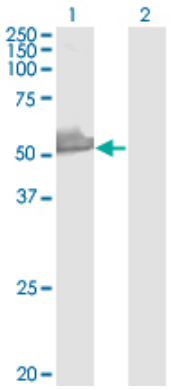
PRPF19 monoclonal antibody (M07), clone 2E5. Western Blot analysis of PRPF19 expression in PC-12((Cat # AT3441a)



PRPF19 monoclonal antibody (M07), clone 2E5. Western Blot analysis of PRPF19 expression in Hela S3 NE ((Cat # AT3441a)

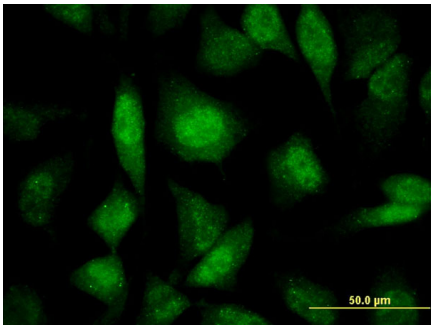


PRPF19 monoclonal antibody (M07), clone 2E5. Western Blot analysis of PRPF19 expression in NIH/3T3((Cat # AT3441a)

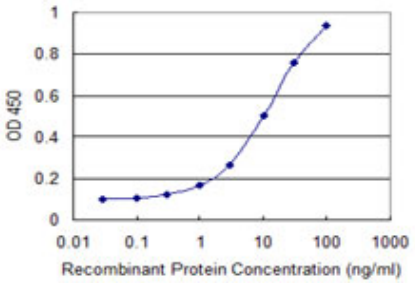


Western Blot analysis of PRPF19 expression in transfected 293T cell line by PRPF19 monoclonal antibody (M07), clone 2E5.

Lane 1: PRPF19 transfected lysate(55.2 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to PRPF19 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged PRPF19 is 0.3 ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.