

For Research Use Only

PRM1 Polyclonal antibody

Catalog Number: 15697-1-AP **4 Publications**



Basic Information

Catalog Number: 15697-1-AP	GenBank Accession Number: BC003673	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 553 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5619	Recommended Dilutions: WB 1:200-1:1000 IHC 1:400-1:1600 IF 1:50-1:500
Source: Rabbit	Full Name: PRM1	
Isotype: IgG	Calculated MW: 51 aa, 6 kDa	
Immunogen Catalog Number: AG8323	Observed MW: 13-20 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : human testis tissue, mouse testis tissue, rat testis tissue IHC : mouse testis tissue, IF : mouse testis tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

PRM1 is a 51 amino acid protein. PRM1 substitutes for histones in the chromatin of sperm during the haploid phase of spermatogenesis. They compact sperm DNA into a highly condensed, stable and inactive complex. PRM1 is expressed in testis. The calculated molecular weight of PRM1 is 9 kDa, but Phosphorylated protein is about 20 kDa. (PMID: 24818823)

Notable Publications

Author	Pubmed ID	Journal	Application
Jianhui Liu	34058501	Environ Pollut	WB
Chao Huang	35216101	Int J Mol Sci	WB
Nasrin Khanmohammadi	37737972	Reprod Sci	WB

Storage

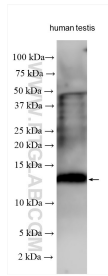
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

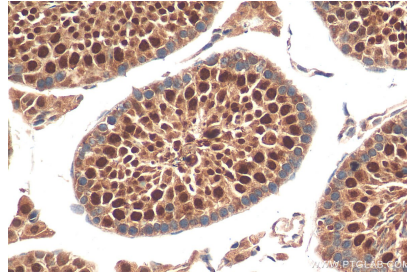
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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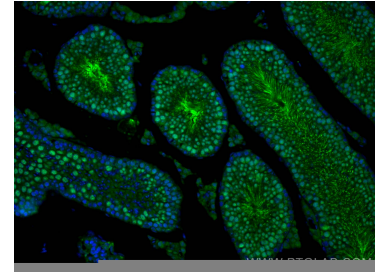
Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 15697-1-AP (PRM1 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 15697-1-AP (PRM1 antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using PRM1 antibody (15697-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).