

For Research Use Only

PRM1 Polyclonal antibody

Catalog Number: 15697-1-AP **5 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	UNIPROT ID: P04553	
Isotype: IgG	Full Name: PRM1	
Immunogen Catalog Number: AG8323	Calculated MW: 51 aa, 6 kDa	
	Observed MW: 13-20 kDa	

Applications

Tested Applications: WB, IF, IHC, 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
Chengniu Wang	38341078	Eur J Pharmacol	WB

Storage

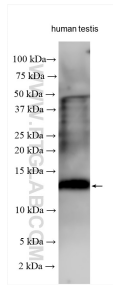
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

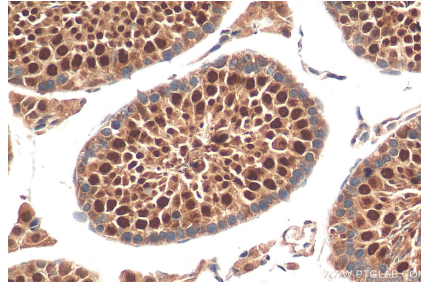
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

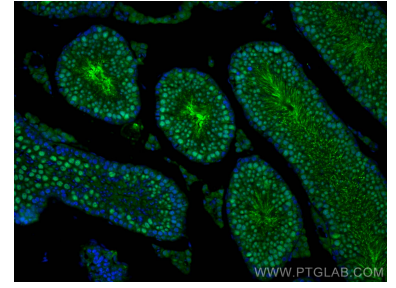
Selected Validation Data



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).