

For Research Use Only

MNS1 Polyclonal antibody

Catalog Number: 12693-1-AP



Basic Information

Catalog Number: 12693-1-AP	GenBank Accession Number: BC034991	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 550 µg/ml by Nanodrop and 307 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 55329	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	Full Name: meiosis-specific nuclear structural 1	
Isotype: IgG	Calculated MW: 495 aa, 61 kDa	
Immunogen Catalog Number: AG3423	Observed MW: 55-60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : rat testis tissue, IHC : human testis tissue,
Species Specificity: human, mouse, rat	
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

Meiosis-specific nuclear structural 1 (MNS1), is abundantly expressed in post-meiotic spermatids and is required for proper flagellar formation and function. Male mice deficient in MNS1 display decreased sperm production and are sterile because their sperm are immotile. The microtubules and ODFs of the flagella are disrupted, resulting in abnormal, short sperm tails. In addition, MNS1 is also required for motile ciliary functions.

Storage

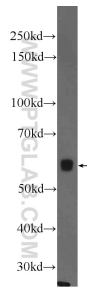
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

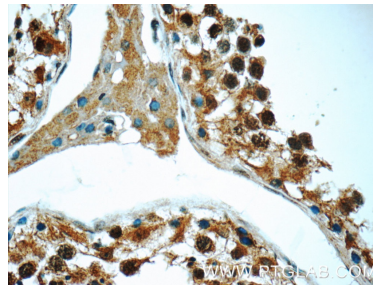
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



rat testis tissue were subjected to SDS PAGE followed by western blot with 12693-1-AP (MNS1 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 12693-1-AP (MNS1 Antibody) at dilution of 1:50 (under 40x lens).