

MNS1 Polyclonal Antibody

Catalog number: 12693-1-AP

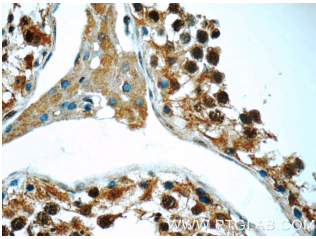
Size: 46 µg/150 µl

Source: Rabbit

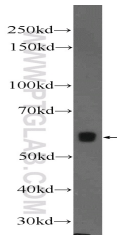
Isotype: IgG

Synonyms:

MNS1; FLJ11222, FLJ26051,
meiosis nuclear structural 1,
MNS1



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



rat testis tissue were subjected to SDS PAGE followed by western blot with 12693-1-AP (MNS1 Antibody) at dilution of 1:1000

Background

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.

Applications

Tested applications:	ELISA, WB, IHC
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated MNS1 MW:	495aa, 61 kDa
Observed MNS1 MW:	55-60 kDa
Positive WB detected in	Rat testis tissue
Positive IHC detected in	Human testis tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag3423
GenBank accession number:	BC034991
Gene ID (NCBI):	55329
Full name:	Meiosis-specific nuclear structural 1

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.