

For Research Use Only

SPATA22 Polyclonal antibody, PBS Only

Catalog Number: 16989-1-PBS

Featured Product



Basic Information

Catalog Number:

16989-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10591

GenBank Accession Number:

BC029483

GeneID (NCBI):

84690

UNIPROT ID:

Q8NHS9

Full Name:

spermatogenesis associated 22

Calculated MW:

363 aa, 41 kDa

Observed MW:

44, 41 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IP, ELISA

Species Specificity:

human, mouse, rat

Background Information

Spata22 (NYD-SP20), a novel vertebrate-specific gene, is required for meiotic progress in mouse germ cells. It is essential for one or more key events of early meiotic prophase, as homologous chromosomes of mutant germ cells do not achieve normal synapsis or repair meiotic DNA double-strand breaks.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

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)

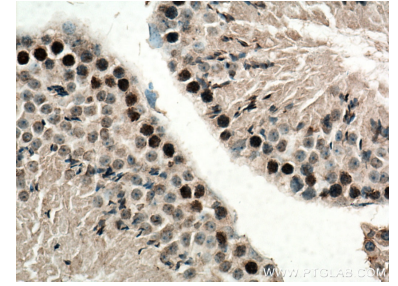
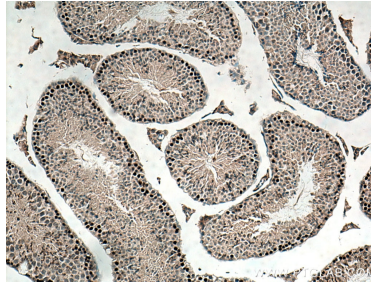
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data

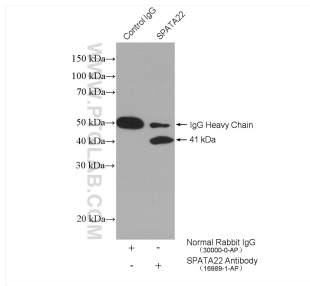


mouse testis tissue was subjected to SDS PAGE followed by western blot with 16989-1-AP (SPATA22 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.

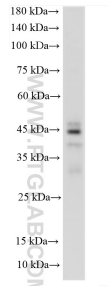


Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 16989-1-AP (SPATA22 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16989-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 16989-1-AP (SPATA22 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 16989-1-PBS in a different storage buffer formulation.



IP result of anti-SPATA22 (IP:16989-1-AP, 3ug; Detection:16989-1-AP 1:500) with mouse testis tissue lysate 4800ug. This data was developed using the same antibody clone with 16989-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 16989-1-AP (SPATA22 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16989-1-PBS in a different storage buffer formulation.