

For Research Use Only

SPATA7 Polyclonal antibody

Catalog Number: 12020-1-AP

Featured Product

4 Publications



Basic Information

Catalog Number:

12020-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2649

GenBank Accession Number:

BC008656

GeneID (NCBI):

55812

UNIPROT ID:

Q9P0W8

Full Name:

spermatogenesis associated 7

Calculated MW:

599 aa, 68 kDa

Observed MW:

68-80 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

Applications

Tested Applications:

WB, IP, ELISA

Cited Applications:

WB, IF, IHC

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

WB : PC-3 cells, mouse testis tissue, rat testis tissue

IP : mouse testis tissue,

Background Information

SPATA7, also named as HSD3, may be involved in retinal function. It is interesting to note that mutations in SPATA7 cause LCA and RP/ARRP, two overlapping but distinct human retinal diseases. SPATA7 is another LCA and Juvenile RP Gene.(PMID:19268277) It is a highly conserved, vertebrate-specific protein which expressed in the mature retina. For some modification, the MW always migrate 5-8kd. The antibody can recognize all the 3 isoforms of SPATA7.

Notable Publications

Author	Pubmed ID	Journal	Application
Aiden Eblimit	29100828	Exp Eye Res	WB
Aiden Eblimit	25398945	Hum Mol Genet	WB
H Zhong	25965394	Gene Ther	WB,IF

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

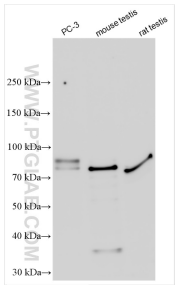
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

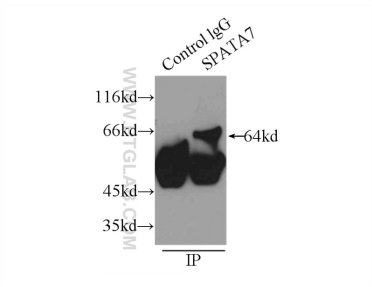
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12020-1-AP (SPATA7 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-SPATA7 (IP:12020-1-AP, 3ug; Detection:12020-1-AP 1:300) with mouse testis tissue lysate 8000ug.