

For Research Use Only

SPATA18 Polyclonal antibody

Catalog Number: 31808-1-AP



Basic Information

Catalog Number: 31808-1-AP	GenBank Accession Number: BC025396	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 500 ug/ml by Nanodrop;	GeneID (NCBI): 132671	Recommended Dilutions: WB: 1:1000-1:6000 IHC: 1:200-1:800
Source: Rabbit	UNIPROT ID: Q8TC71	
Isotype: IgG	Full Name: spermatogenesis associated 18 homolog (rat)	
Immunogen Catalog Number: AG36227	Calculated MW: 538 aa, 61 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse testis tissue,

IHC : rat testis tissue,

Background Information

The modulation of mitophagy after DNA damage is independent of the type of DNA damage stimuli used and the protein spermatogenesis-associated protein 18 (SPATA18) is an important player in this process (PMID: 32453416; 21264221). SPATA18, also known as MIEAP, is a p53 transcriptional target and was previously reported to contribute to mitochondrial quality control by inducing intramitochondrial lysosome-like organelles after mitochondrial damage (PMID: 21264221).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

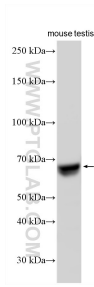
For technical support and original validation data for this product please contact:

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

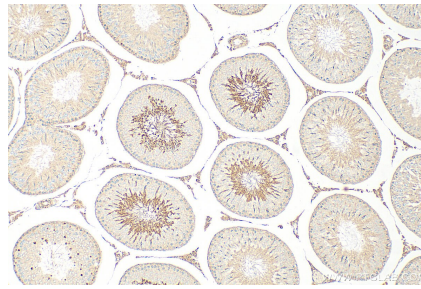
E: proteintech@ptglab.com
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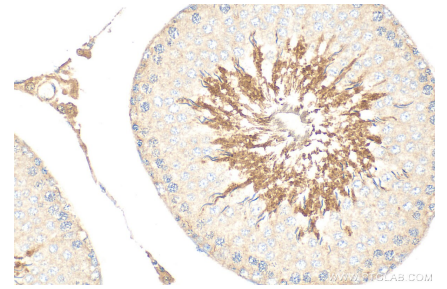
Selected Validation Data



Mouse testis tissue lysate was subjected to SDS PAGE followed by western blot with 31808-1-AP (SPATA18 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 31808-1-AP (SPATA18 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat testis tissue slide using 31808-1-AP (SPATA18 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).