

For Research Use Only

SPATA18 Polyclonal antibody, PBS Only

Catalog Number: 31808-1-PBS



Basic Information

Catalog Number: 31808-1-PBS	GenBank Accession Number: BC025396	Purification Method: Antigen affinity Purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 132671	
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, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.

Storage Buffer:
PBS only, pH7.3

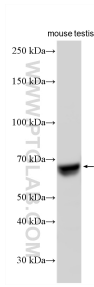
For technical support and original validation data for this product please contact:

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

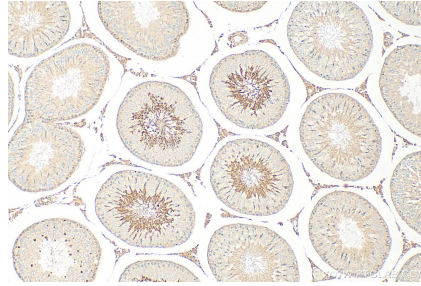
E: proteintech@ptglab.com
W: ptglab.com

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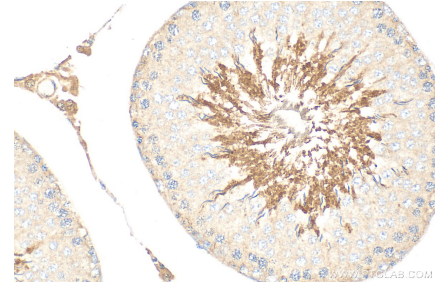
Selected Validation Data



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. This data was developed using the same antibody clone with 31808-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31808-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 31808-1-PBS in a different storage buffer formulation.