

For Research Use Only

SPATA18 Polyclonal antibody, PBS Only

Catalog Number: 31808-1-PBS



Basic Information

Catalog Number:

31808-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG36227

GenBank Accession Number:

BC025396

GeneID (NCBI):

132671

UNIPROT ID:

Q8TC71

Full Name:

spermatogenesis associated 18 homolog (rat)

Calculated MW:

538 aa, 61 kDa

Observed MW:

61 kDa

Purification Method:

Antigen affinity Purification

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.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

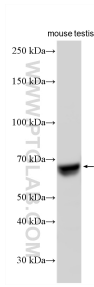
T: 4006900926

E: Proteintech-CN@ptglab.com

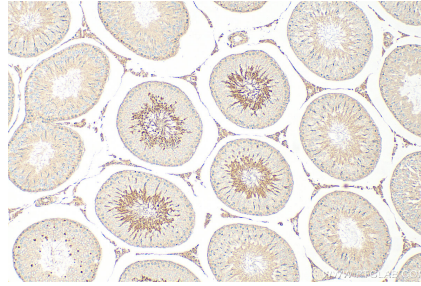
W: ptgcn.com

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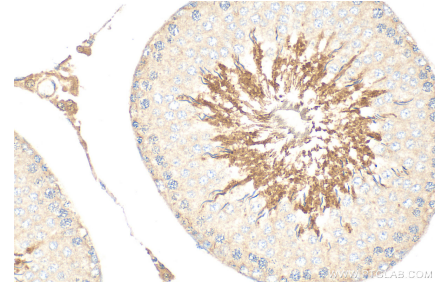
Selected Validation Data



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.