

For Research Use Only

SPAG4-Specific Polyclonal antibody

Catalog Number: 19721-1-AP

3 Publications



Basic Information

Catalog Number:

19721-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_003116

GeneID (NCBI):

6676

UNIPROT ID:

Q9NPE6

Full Name:

sperm associated antigen 4

Calculated MW:

48 kDa

Observed MW:

55 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF-P 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IF-P, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse

Cited Species:

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 : human testis tissue, HepG2 cells

IHC : mouse testis tissue,

IF-P : mouse testis tissue,

IF/ICC : HepG2 cells,

Background Information

SPAG4 may assist the organization and assembly of outer dense fibers (ODFs), a specific structure of the sperm tail. This antibody is specific to SPAG4. We observed that the molecular weight of SPAG4-Specific was 55 kDa.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|--------------|-----------|-----------------------|-------------|
| Qian Gao | 32156700 | J Biol Chem | WB |
| Jiehao Zhou | 39410830 | J Biochem Mol Toxicol | WB |
| Shicheng Xie | 37550755 | Cancer Cell Int | WB |

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

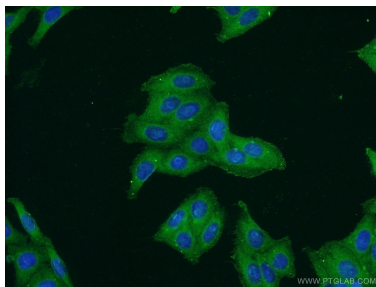
For technical support and original validation data for this product please contact:

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

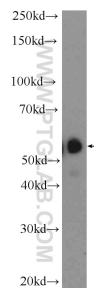
E: proteintech@ptglab.com
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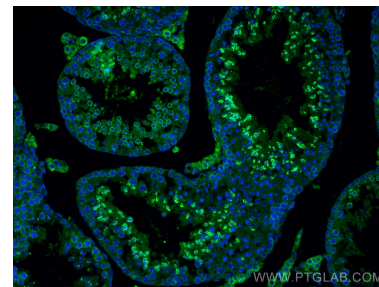
Selected Validation Data



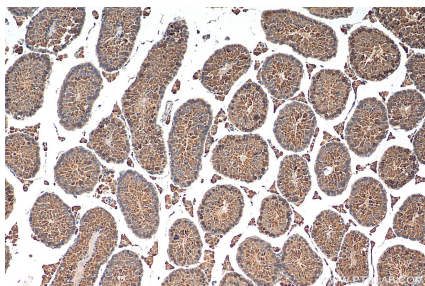
Immunofluorescent analysis of HepG2 cells using 19721-1-AP (SPAG4-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).



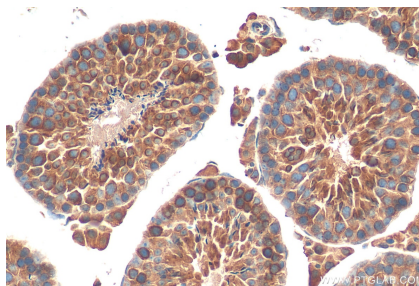
human testis tissue were subjected to SDS PAGE followed by western blot with 19721-1-AP (SPAG4-Specific Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed mouse testis tissue using SPAG4-Specific antibody (19721-1-AP) at dilution of 1:200 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 19721-1-AP (SPAG4-Specific antibody) at dilution of 1:100 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 19721-1-AP (SPAG4-Specific antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).