

For Research Use Only

# SPAG4-Specific Polyclonal antibody



Catalog Number: 19721-1-AP

2 Publications

## Basic Information

<b>Catalog Number:</b> 19721-1-AP	<b>GenBank Accession Number:</b> NM_003116	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 400 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 6676	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IHC 1:50-1:500 IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> sperm associated antigen 4	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 48 kDa	
	<b>Observed MW:</b> 55 kDa	

## Applications

<b>Tested Applications:</b> IF, IHC, WB, ELISA	<b>Positive Controls:</b> WB : human testis tissue, HepG2 cells IHC : mouse testis tissue, IF : mouse testis tissue, HepG2 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse	
<b>Cited Species:</b> human, mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## 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
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

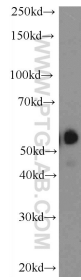
For technical support and original validation data for this product please contact:

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

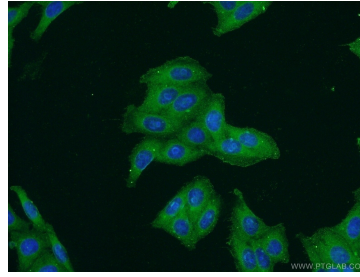
E: proteintech@ptglab.com  
W: ptglab.com

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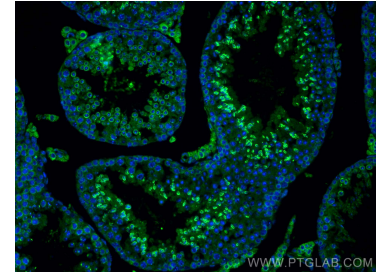
## Selected Validation Data



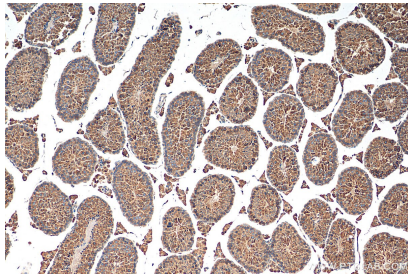
human testis tissue were subjected to SDS PAGE followed by western blot with 19721-1-AP (SPAG4-Specific Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



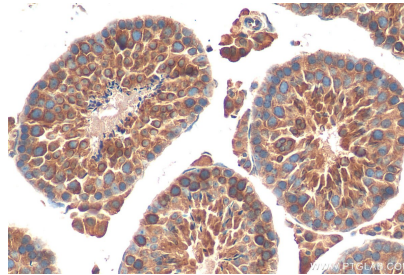
Immunofluorescent analysis of HepG2 cells using 19721-1-AP (SPAG4-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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 AffiniPure 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).