

For Research Use Only

SPAG4-Specific Polyclonal antibody



Catalog Number: 19721-1-AP **2 Publications**

Basic Information

Catalog Number: 19721-1-AP	GenBank Accession Number: NM_003116	Purification Method: Antigen affinity purification
Size: 400 µg/ml	GeneID (NCBI): 6676	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 IF-P 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9NPE6	
Isotype: IgG	Full Name: sperm associated antigen 4	
	Calculated MW: 48 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls: WB : human testis tissue, HepG2 cells IHC : mouse testis tissue, IF-P : mouse testis tissue, IF/ICC : HepG2 cells,
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	

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

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

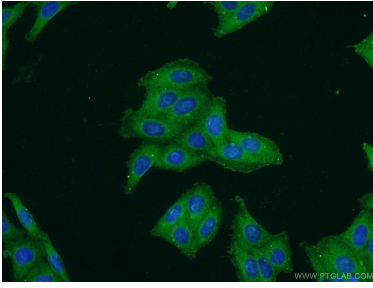
T: 4006900926

E: Proteintech-CN@ptglab.com

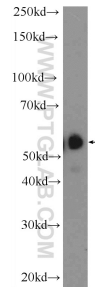
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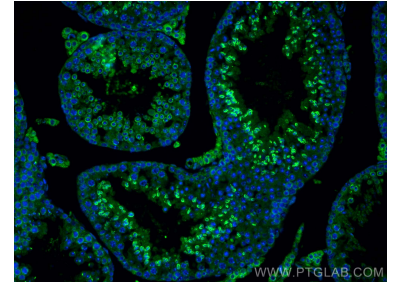
Selected Validation Data



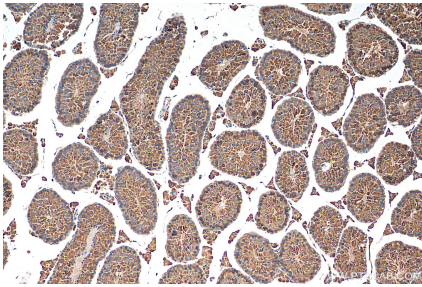
Immunofluorescent analysis of HepG2 cells using 19721-1-AP (SPAG4-Specific antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



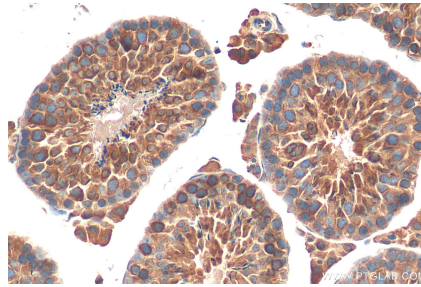
human testis tissue were subjected to SDS PAGE followed by western blot with 19721-1-AP (SPAG4-Specific Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



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 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).