

For Research Use Only

# SPAG11A Polyclonal antibody

Catalog Number: 16770-1-AP **1 Publications**



## Basic Information

<b>Catalog Number:</b> 16770-1-AP	<b>GenBank Accession Number:</b> BC058833	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 350 µg/ml by Nanodrop and 193 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 653423	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> sperm associated antigen 11A	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 123 aa, 14 kDa	
<b>Immunogen Catalog Number:</b> AG9846	<b>Observed MW:</b> 20 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b> WB : human testis tissue, human brain tissue
<b>Cited Applications:</b> IHC, WB	<b>IHC :</b> human testis tissue, human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue
<b>Species Specificity:</b> human	
<b>Cited Species:</b> 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

Sperm binding proteins and their C-terminal peptides of the Sperm Associated Antigen 11 (SPAG11) family are found to play an important role in epididymal innate immunity in addition to their role in sperm maturation (PMID:16643671). SPAG11 peptides resulting due to cleavage at the furin-like proprotein convertase motif are reported in the epididymal fluid, ejaculate and on sperm and their antimicrobial activity demonstrated. SPAG11A belongs to this family and is also named as EP2, HE2. It has 4 isoforms produced by alternative splicing. This antibody is specific to SPAG11.

## Notable Publications

Author	Pubmed ID	Journal	Application
Pujianto Dwi A DA	23815807	Reprod Biol Endocrinol	WB, IHC

## Storage

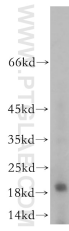
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

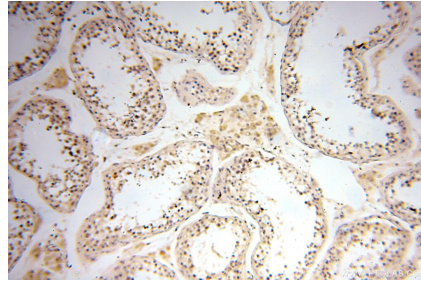
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

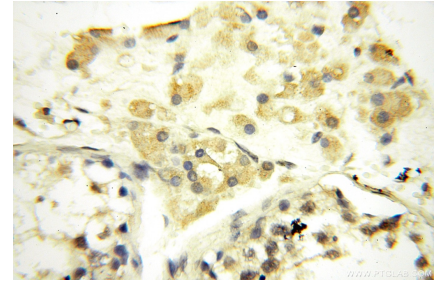
## Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 16770-1-AP (SPAG11A antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 16770-1-AP (SPAG11A antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 16770-1-AP (SPAG11A antibody) at dilution of 1:50 (under 40x lens).