

For Research Use Only

# SPAG11A Polyclonal antibody

Catalog Number: 16770-1-AP

1 Publications



## Basic Information

Catalog Number:

16770-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 193 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9846

GenBank Accession Number:

BC058833

GeneID (NCBI):

653423

UNIPROT ID:

Q6PDA7

Full Name:

sperm associated antigen 11A

Calculated MW:

123 aa, 14 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human

Cited Species:

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, human brain tissue

IHC : human testis tissue, human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human skin tissue, human spleen tissue

## Background Information

Sperm binding proteins and their C-terminal peptides of the Sperm AssociatedAntigen 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

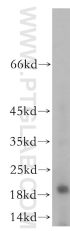
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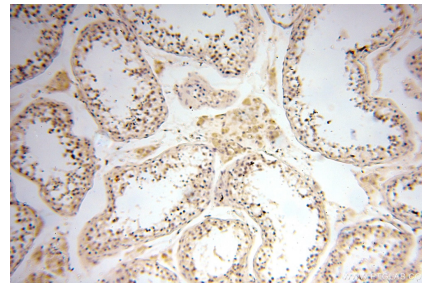
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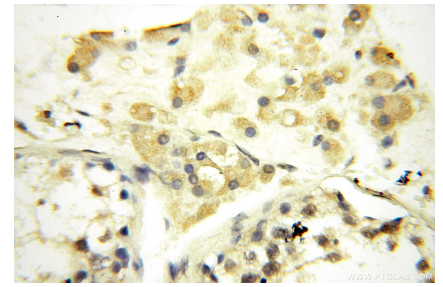
## Selected Validation Data



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).