

For Research Use Only

# SPA17 Polyclonal antibody

Catalog Number: 13367-1-AP

5 Publications



## Basic Information

### Catalog Number:

13367-1-AP

### Size:

150ul, Concentration: 750 ug/ml by Nanodrop and 407 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG4186

### GenBank Accession Number:

BC032457

### GeneID (NCBI):

53340

### UNIPROT ID:

Q15506

### Full Name:

sperm autoantigenic protein 17

### Calculated MW:

151 aa, 17 kDa

### Observed MW:

25 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2400

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:20-1:200

## Applications

### Tested Applications:

WB, IP, IHC, ELISA

### Cited Applications:

WB, IF, IHC

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : mouse testis tissue,

IP : mouse testis tissue,

IHC : human testis tissue, human ovary tumor tissue

**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 surface protein Sp17(SPA17) is a 151 amino acids protein (17kDa), which is a sperm surface peripheral membrane protein. It is a highly conserved mammalian protein expressed in developing spermatozoa and mature spermatids, and reported to play a role in the interaction of sperm with the zona pellucida. SP17 exists as a homodimer and localizes to the head and tail of spermatozoa. SP17 has been identified as a cancer/testis antigen and is expressed in ovarian cancer and multiple myeloma. This suggests that SP17 could be suitable as a target in tumor immunotherapy.

## Notable Publications

Author	Pubmed ID	Journal	Application
Takujiro Homma	33087733	Sci Rep	WB
Laurie L Brunette	30309325	BMC Cancer	IHC
Zewei Tu	35592314	Front Immunol	WB,IF

## 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

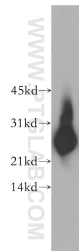
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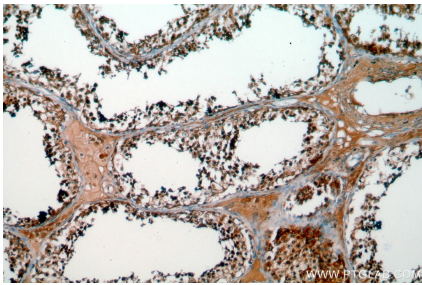
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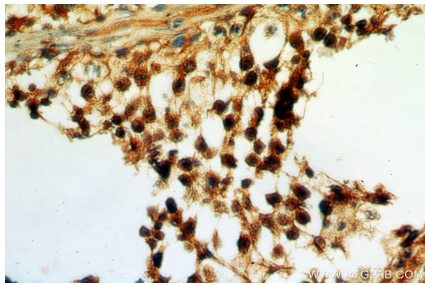
Selected Validation Data



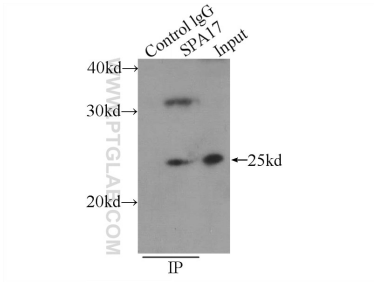
mouse testis tissue were subjected to SDS PAGE followed by western blot with 13367-1-AP (SPA17 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis using 13367-1-AP (SPA17 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human testis using 13367-1-AP (SPA17 antibody) at dilution of 1:50 (under 40x lens).



IP result of anti-SPA17 (IP:13367-1-AP, 3ug; Detection:13367-1-AP 1:400) with mouse testis tissue lysate 4800ug.