

SPA17 Polyclonal antibody

Catalog Number: 13367-1-AP

5 Publications

Basic Information

Catalog Number:

13367-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4186

GenBank Accession Number:

BC032457

GeneID (NCBI):

53340

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 µg for IP and 1:200-1:1000

for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, IHC, WB

Species Specificity:

human, mouse, rat

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

Positive Controls:

WB: mouse testis tissue,

IP: mouse testis tissue,

IHC: human testis tissue, human ovary tumor tissue

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

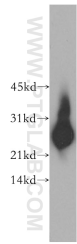
For technical support and original validation data for this product please contact:

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

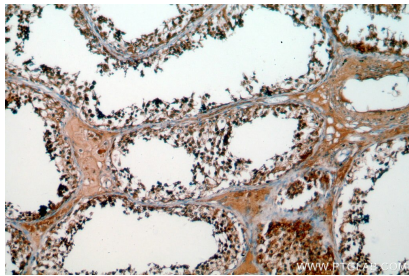
E: proteintech@ptglab.com
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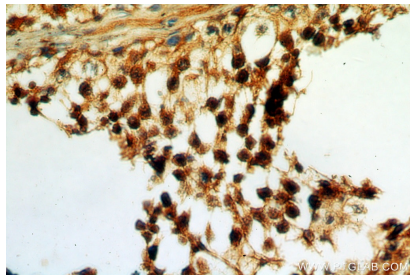
Selected Validation Data



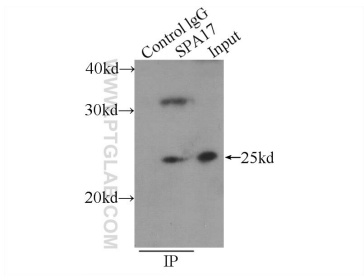
mouse testis tissue were subjected to SDS PAGE followed by western blot with 13367-1-AP (SPA17 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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.