

## SPA17 Polyclonal Antibody

Catalog number: 13367-1-AP

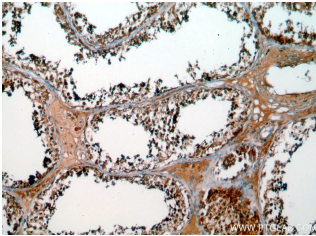
Size: 61 µg/150 µl

Source: Rabbit

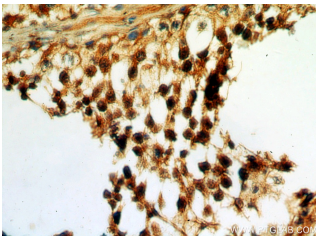
Isotype: IgG

Synonyms:

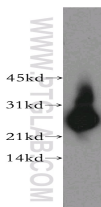
SPA17; Cancer/testis antigen  
22, CT22, SP17, SP17 1, SPA17,  
sperm autoantigenic protein 17,  
Sperm protein 17, Sperm  
surface protein Sp17



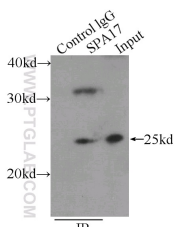
Immunohistochemical of paraffin-embedded human testis using 13367-1-AP(SPA17 antibody) at dilution of 1:50 (under 10x lens)



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



mouse testis tissue were subjected to SDS PAGE followed by western blot with 13367-1-AP(SPA17 antibody) at dilution of 1:400



### Background

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.

### Applications

Tested applications:	ELISA, WB, IHC, IP
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated SPA17 MW:	151aa, 17 kDa
Observed SPA17 MW:	25kd
Positive WB detected in	Mouse testis tissue
Positive IP detected in	Mouse testis tissue
Positive IHC detected in	Human testis tissue, human ovary tumor tissue
Recommended dilution:	WB: 1:500-1:5000
	IP: 1:200-1:1000
	IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag4186
GenBank accession number:	BC032457
Gene ID (NCBI):	53340
Full name:	Sperm autoantigenic protein 17

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.

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