



Rabbit Anti-SP17 antibody

SL5754R

Product Name:	SP17
Chinese Name:	精子表面蛋白Sp17抗体
Alias:	Band 34; Cancer/testis antigen 22; CT22; SP17 1; Sp17-1; SP17_HUMAN; SPA17; Sperm autoantigenic protein 17; Sperm protein 17; Sperm surface protein Sp17.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	17kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SP17/CT22:21-120/151
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	SP17 is a protein present at the cell surface. The N-terminus has sequence similarity to human cAMP-dependent protein kinase A (PKA) type II alpha regulatory subunit (RIIa) while the C-terminus has an IQ calmodulin-binding motif. The central portion of the protein has carbohydrate binding motifs and likely functions in cell-cell adhesion. The protein was initially characterized by its involvement in the binding of sperm to the zona pellucida of the oocyte. Recent studies indicate that it is also involved in additional

cell-cell adhesion functions such as immune cell migration and metastasis. A retrotransposed pseudogene is present on chromosome 10q22.[provided by RefSeq, Jan 2009].

Function:

Sperm surface zona pellucida binding protein. Helps to bind spermatozoa to the zona pellucida with high affinity. Might function in binding zona pellucida and carbohydrates (By similarity).

Subunit:

Homodimer (By similarity). May interact with ROPN1.

Subcellular Location:

Membrane; Peripheral membrane protein (Potential).

Tissue Specificity:

Testis and sperm specific.

Similarity:

Contains 1 IQ domain.

SWISS:

Q15506

Gene ID:

53340

Database links:

[Entrez Gene: 53340](#)Human

[Entrez Gene: 20686](#)Mouse

[Entrez Gene: 85244](#)Rat

[Omim: 608621](#)Human

[SwissProt: Q15506](#)Human

[SwissProt: Q62252](#)Mouse

[Unigene: 286233](#)Human

[Unigene: 8637](#)Mouse

[Unigene: 29090](#)Rat

Important Note:

	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
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