



Rabbit Anti-SPATA20 antibody

SL17625R

Product Name:	SPATA20
Chinese Name:	精子发生相关蛋白20抗体
Alias:	SPATA20; Sperm protein SSP411; Sperm-specific protein 411; Spermatogenesis associated 20; Spermatogenesis-associated protein 20; SPT20_HUMAN; Ssp411; Tisp78; Transcript increased in spermiogenesis 78.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,Guinea Pig,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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:	58kDa
Cellular localization:	Extracellular matrixSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SPATA20:431-530/786
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:	SPATA20 is a 786 amino acid protein that may be involved in fertility regulation. SPATA20 is expressed in testis in an age dependent manner and localizes to round and elongated spermatids. SPATA20 contains a conserved thioredoxin-like domain near the N-terminus region and exists as four isoforms produced by alternative splicing events. SPATA20 is encoded by a gene located on human chromosome 17, which comprises

over 2.5% of the human genome and encodes over 1,200 genes. Two key tumor suppressor genes are associated with chromosome 17, namely, p53 and BRCA1. Tumor suppressor p53 is necessary for maintenance of cellular genetic integrity by moderating cell fate through DNA repair versus cell death. Malfunction or loss of p53 expression is associated with malignant cell growth and Li-Fraumeni syndrome. Like p53, BRCA1 is directly involved in DNA repair, though specifically it is recognized as a genetic determinant of early onset breast cancer and predisposition to cancers of the ovary, colon, prostate gland and fallopian tubes.

Function:

May play a role in fertility regulation.

Subcellular Location:

Secreted.

SWISS:

Q8TB22

Gene ID:

64847

Database links:

[Entrez Gene: 511363](#) Cow

[Entrez Gene: 491082](#) Dog

[Entrez Gene: 100714104](#) Guinea pig

[Entrez Gene: 100069987](#) Horse

[Entrez Gene: 64847](#) Human

[Entrez Gene: 217116](#) Mouse

[Entrez Gene: 100286812](#) Pig

[Entrez Gene: 360604](#) Rat

[Omim: 613939](#) Human

[SwissProt: Q8TB22](#) Human

[SwissProt: Q80YT5](#) Mouse

[SwissProt: Q6T393](#) Rat

[Unigene: 103147](#) Human

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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