



Rabbit Anti-SPATA5 antibody

SL17631R

Product Name:	SPATA5
Chinese Name:	精子发生相关蛋白2抗体
Alias:	AFG2; ATPase family gene 2 homolog; ATPase family protein 2 homolog; SPAF; Spermatogenesis associated 5; Spermatogenesis associated factor SPAF; Spermatogenesis-associated factor protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,
Applications:	ELISA=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:	98kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SPATA5:801-893/893
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:	SPATA5 is an 893 amino acid protein that localizes to cytoplasm and mitochondrion, and may be involved in morphological and functional mitochondrial transformations during spermatogenesis. Existing as three alternatively spliced isoforms, SPATA5 belongs to the AAA ATPase family and the AFG2 subfamily. The gene that encodes SPATA5 consists of more than 396,000 bases and maps to human chromosome 4q28.1.

Housing nearly 900 genes, chromosome 4 represents approximately 6% of the human genome and is associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease.

Function:

May be involved in morphological and functional mitochondrial transformations during spermatogenesis.

Subcellular Location:

Cytoplasmic and Mitochondrial

Similarity:

Belongs to the AAA ATPase family. AFG2 subfamily.

SWISS:

Q8NB90

Gene ID:

166378

Database links:

[Entrez Gene: 166378](#) Human

[Entrez Gene: 57815](#) Mouse

[Entrez Gene: 361935](#) Rat

[SwissProt: Q8NB90](#) Human

[SwissProt: Q3UMC0](#) Mouse

Important Note:

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