



## Rabbit Anti-Semenogelin I/CT103 antibody

SL19631R

<b>Product Name:</b>	Semenogelin I/CT103
<b>Chinese Name:</b>	癌症/睾丸抗原103抗体
<b>Alias:</b>	Alpha-Inhibin-31; Alpha-Inhibin-92; Cancer/testis antigen 103; CT103; dJ172H20.2 (semenogelin I); dJ172H20.2; MGC14719; Semen coagulating protein; Semenogelin; Semenogelin I; SEMG; SEMG1; SEMG1_HUMAN; Seminal basic protein; seminal vesicle secretory protein 5; SgI; Svp-1; Svp5; SVPIIA; Svs2; SVS2P; Svs2p2; Svs5.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,
<b>Applications:</b>	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.
<b>Molecular weight:</b>	52kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human Semenogelin I/CT103:381-462/462
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The protein encoded by this gene is the predominant protein in semen. The encoded secreted protein is involved in the formation of a gel matrix that encases ejaculated spermatozoa. The prostate-specific antigen (PSA) protease processes this protein into

smaller peptides, with each possibly having a separate function. The proteolysis process breaks down the gel matrix and allows the spermatozoa to move more freely. The antimicrobial peptide SgI-29 is an antimicrobial peptide with antibacterial activity. [provided by RefSeq, Nov 2014]

**Function:**

Predominant protein in semen. It participates in the formation of a gel matrix entrapping the accessory gland secretions and ejaculated spermatozoa. Fragments of semenogelin and/or fragments of the related proteins may contribute to the activation of progressive sperm movements as the gel-forming proteins are fragmented by KLK3/PSA.

Alpha-inhibin-92 and alpha-inhibin-31, derived from the proteolytic degradation of semenogelin, inhibit the secretion of pituitary follicle-stimulating hormone.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Seminal vesicle.

**Post-translational modifications:**

Transglutaminase substrate.

Rapidly cleaved after ejaculation by KLK3/PSA, resulting in liquefaction of the semen coagulum and the progressive release of motile spermatozoa.

**Similarity:**

Belongs to the semenogelin family.

**SWISS:**

P04279

**Gene ID:**

6406

**Database links:**

[Entrez Gene: 6406](#) Human

[Entrez Gene: 20944](#) Mouse

[Entrez Gene: 25013](#) Rat

[Omim: 182140](#) Human

[SwissProt: P04279](#) Human

[Unigene: 1968](#) Human

**Important Note:**

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