



## Rabbit Anti-Eppin antibody

SL2365R

<b>Product Name:</b>	Eppin
<b>Chinese Name:</b>	附睾蛋白酶抑制蛋白
<b>Alias:</b>	SPINLW1; WAP7; WFDC7; Variant; Cancer/testis antigen 71; CT71; Epididymal protease inhibitor; Protease inhibitor WAP7; Serine protease inhibitor-like with Kunitz and WAP domains 1; EPPI MOUSE; WAPfour-disulfide core domain protein 7.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Mouse,Rat,
<b>Applications:</b>	ELISA=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.
<b>Molecular weight:</b>	13kDa
<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 mouse Eppin:23-134/134
<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>	This gene encodes an epididymal protease inhibitor, which contains both kunitz-type and WAP-type four-disulfide core (WFDC) protease inhibitor consensus sequences. Most WFDC genes are localized to chromosome 20q12-q13 in two clusters: centromeric and telomeric. This gene is a member of the WFDC gene family and belongs to the telomeric cluster. The protein can inhibit human sperm motility, and

polymorphisms in this gene are associated with male infertility. Read-through transcription also exists between this gene and the downstream WFDC6 (WAP four-disulfide core domain 6) gene. [provided by RefSeq].

**Function:**

Serine protease inhibitor that plays an essential role in male reproduction and fertility. Modulates the hydrolysis of SEMG1 by KLK3/PSA (a serine protease), provides antimicrobial protection for spermatozoa in the ejaculate coagulum, and binds SEMG1 thereby inhibiting sperm motility (By similarity).

**Subunit:**

Monomer (By similarity). Homodimer (By similarity). Homomultimers (By similarity). Interacts (via C-terminus) with SEMG1 (via 164-283 AA) (By similarity). Interacts with LTF (By similarity). Found in a complex with LTF, CLU, EPPIN and SEMG1 (By similarity).

**Subcellular Location:**

Secreted. Cell surface. Note=Present on the surface of spermatozoa both before and after capacitation.

**Tissue Specificity:**

Expressed in differentiated spermatogonia in testis. Expressed in spermatogonia cell lines GC-1 spg and GC-2spd(ts) as well as in the Leydig tumor cell line MLTC-1 (at protein level). Expressed specifically in epididymis and testis. Expressed predominantly on the postacrosomal region of mouse spermatozoa, in Sertoli cells, Leydig cells, and round spermatids in the testis, and in the principal cells of the cauda epididymidis epithelium.

**Similarity:**

Contains 1 BPTI/Kunitz inhibitor domain.  
Contains 1 WAP domain.

**SWISS:**

Q9DA01

**Gene ID:**

75526

**Database links:**

[Entrez Gene: 57119](#)Human

[Entrez Gene: 75526](#)Mouse

[Entrez Gene: 685161](#)Rat

[Omim: 609031](#)Human

[SwissProt: O95925](#)Human

[SwissProt: Q9DA01](#)Mouse

[SwissProt: D4A2Z2](#)Rat

[Unigene: 121084](#)Human

**Important Note:**

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

附睾蛋白酶抑制蛋白(Eppin)是一种睾丸/附睾特异性蛋白,可能与精子在附睾的成熟密切相关.

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)