

Rabbit SPINLW1 Polyclonal Antibody | anti-SPINLW1 antibody

SPINLW1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326631	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

SPINLW1; Polyclonal Antibody; SPINLW1 Antibody; Cancer/testis antigen 71; CT 71; CT71; dJ461P17.2; Epididymal protease inhibitor; EPPIN 1; EPPIN 2; EPPIN 3; Eppin; EPPIN1; EPPIN2; EPPIN3; Protease inhibitor WAP7; Serine peptidase inhibitor like with Kunitz and WAP domains 1 (eppin); Serine peptidase inhibitor like with Kunitz and WAP domains 1; SPINLW 1; WAP 7; WAP four disulfide core domain 7; WAP four disulfide core domain protein 7; WAP7; WFDC 7; WFDC7; anti-SPINLW1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SPINLW1 antibody detects endogenous levels of total SPINLW1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	179
Applicable Applications for anti-SPINLW1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SPINLW1
Subcellular Location	Secreted
Tissue Specificity	In testis, expressed and secreted by Sertoli cells, appearing on the surface of testicular and ejaculate spermatozoa. Expressed in the spermatogonia and the earliest preleptotene spermatocytes. In the epididymis, is expressed and secreted by epithelial cells and covers the surface of epididymal spermatozoa and ciliated epithelial cells (at protein level). Expressed specifically in epididymis and testis. Isoform 2 is expressed only in the epididymis. Weak expression is detected in myoid cells as well as spermatogenic cells.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326631 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Mouse liver tissue lysates, using SPINLW1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SPINLW1 antibody

Description: 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, Nov 2010]
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.
Subunit Structure: Monomer. Homodimer. Homomultimers. Interacts with SEMG1 (via 164-283 AA). Interacts with LTF. Found in a complex with LTF, CLU, EPPIN and SEMG1.
Similarity: The BPTI/Kunitz inhibitor domain is required for elastase inhibitory activity. BPTI/Kunitz inhibitor and WAP domains are involved in the protein antibacterial activity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	312176446
NCBI GeneID	100526773
NCBI Accession #	NP_001185915.1
NCBI GenBank Nucleotide #	NM_001198986.1
UniProt Accession #	O95925; Q86TP9; Q96SD7; Q9HD30; A6PVD6
Molecular Weight	Observed: 15 kDa Predicted: 16 kDa
NCBI Official Full Name	SPINLW1-WFDC6 fusion protein
NCBI Official Synonym Full Names	EPPIN-WFDC6 readthrough
NCBI Official Symbol	EPPIN-WFDC6
NCBI Official Synonym Symbols	SPINLW1-WFDC6
NCBI Protein Information	SPINLW1-WFDC6 fusion protein
UniProt Protein Name	Eppin
UniProt Gene Name	EPPIN
UniProt Synonym Gene Names	SPINLW1; WAP7; WFDC7; CT71

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.