SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-CST11 antibody

Catalog Number: SL14088R

FOR RESEARCH USE ONLY

[DATASHEET]

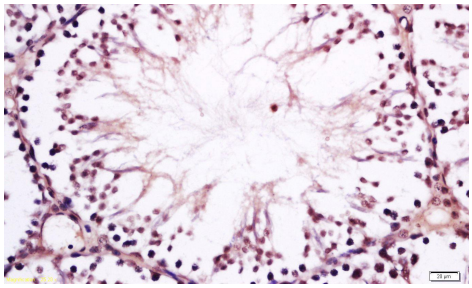
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	CST11
Immunogen:	KLH conjugated synthetic peptide derived from human CST11: 31-138/138
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 IF=1:100-500 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Rat(predicted:Human)
Predicted MW.:	14kDa
Subcellular Location:	The nucleus cytoplasmic
Background:	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes an epididymal-specific protein whose specific function has not been determined. Alternative splicing yields two variants encoding distinct isoforms. [provided by RefSeq, Jul 2008] **Function:** Has antibacterial activity against the Gram-negative bacteria E.coli. May play a role in sperm maturation and fertilization.

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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	Subcellular Location: Nucleus. Cytoplasm. Nuclear and cytoplasmic in the epididymis. Localized to the postacrosomal and tail regions of sperm. Probably localized to the outer surface of sperm. **Tissue Specificity:** Detected in the epithelium and lumen of the epididymis, and in sperm (at protein level). **Similarity:** Belongs to the cystatin family. **Database links:** **Entrez Gene:** 140880 Human Omim: 609731 Human **SwissProt:** Q9H112 Human **Unigene:** 128100 Human

[VALIDATION IMAGES]



Tissue/cell: rat testis tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (1M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min;
Incubation: Anti-CST11 Polyclonal Antibody, Unconjugated(SL14088R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

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