10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CST11 Rabbit pAb

Catalog # AP97620

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9H112
Other Accession	Q9H112
Reactivity	Rat
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16506
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human CST11
Epitope Specificity	31-138/138
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the cystatin family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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]

Additional Information

Gene ID	140880
Other Names	CST8L; CTES2; SC13; dJ322G13.6; CST11_HUMAN; CST11; cystatin 11
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	CST11
Synonyms	CST8L
Function	Has antibacterial activity against the Gram-negative bacteria E.coli. May play a role in sperm maturation and fertilization.
Cellular Location	Secreted. Note=Probably secreted into the epididymis lumen, where it localizes to the outer surface of sperm. Specifically localizes to the postacrosomal and tail regions of sperm.
Tissue Location	Detected in the epithelium and lumen of the epididymis, and in sperm (at protein level)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.