

CST1 Polyclonal Antibody

Catalog No: #42138

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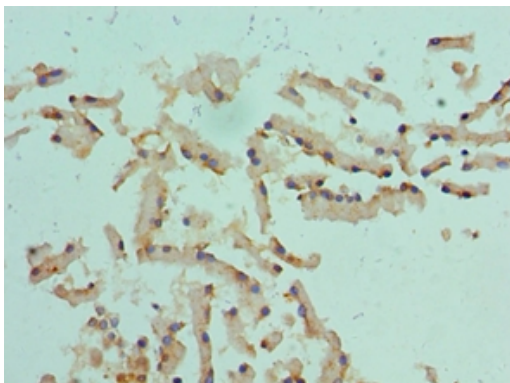
Description

Product Name	CST1 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen Affinity Purified
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total CST1 polyclonal antibody.
Immunogen Type	protein
Immunogen Description	Recombinant human Cystatin-SN protein(20-141aa)
Target Name	CST1
Other Names	Cystain-SA-I, Cystatin-1, Salivary cystatin-SA-1, CST1, Cystatin-SN
Accession No.	Swiss-Prot#: P01037
Uniprot	P01037
GeneID	1469;
Concentration	1.0mg/mL
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage	Store at -20°C

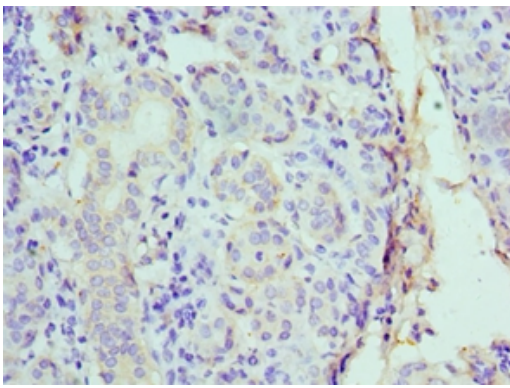
Application Details

Immunohistochemistry: 1:20 - 1:200

Images



Immunohistochemical analysis of paraffin-embedded human prostate using #42138 at dilution of 1:100.



Immunohistochemical analysis of paraffin-embedded human salivary gland using #42138 at dilution of 1:100.

Background

Human saliva appears to contain several cysteine proteinase inhibitors that are immunologically related to cystatin S but that differ in their specificity due to amino acid sequence differences. Cystatin SN, with a pI of 7.5, is a much better inhibitor of papain and dipeptidyl peptidase I than is cystatin S, although both inhibit ficin equally well.

References

- [1]Confident assignment of intact mass tags to human salivary cystatins using top-down Fourier-transform ion cyclotron resonance mass spectrometry." Ryan C.M., Souda P., Halgand F., Wong D.T., Loo J.A., Faull K.F., Whitelegge J.P.J. Am. Soc. Mass Spectrom. 21:908-917(2010).
- [2]Signal peptide prediction based on analysis of experimentally verified cleavage sites." Zhang Z., Henzel W.J. Protein Sci. 13:2819-2824(2004).
- [3]Newly identified proteins in human nasal lavage fluid from non-smokers and smokers using two-dimensional gel electrophoresis and peptide mass fingerprinting." Ghafouri B., Stahlbom B., Tagesson C., Lindahl M. Proteomics 2:112-120(2002).

Note: This product is for in vitro research use only