

CST1 Polyclonal Antibody

Catalog No: #42138

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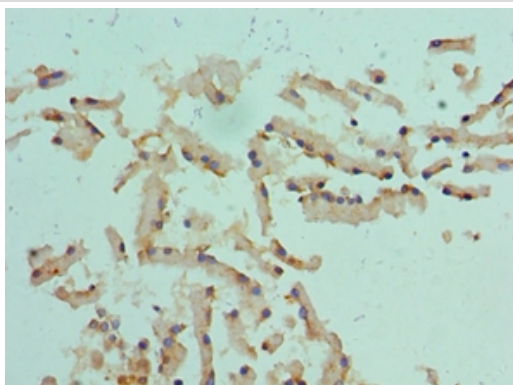
Description

| | |
|-----------------------|--|
| 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 |

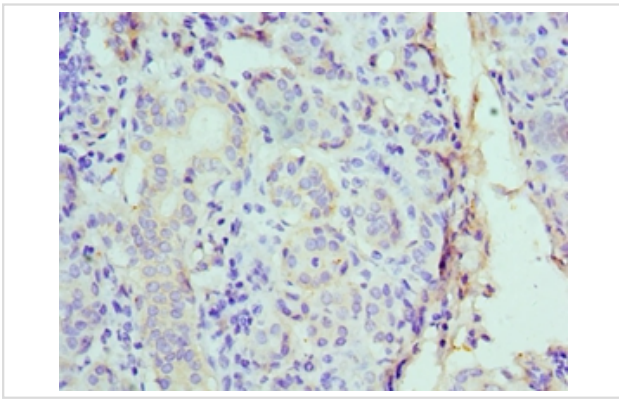
Application Details

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