

For Research Use Only

# Cystatin S Polyclonal antibody

Catalog Number: 26979-1-AP

1 Publications



## Basic Information

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| <b>Catalog Number:</b><br>26979-1-AP   | <b>GenBank Accession Number:</b><br>BC065714 | <b>Purification Method:</b><br>Antigen affinity purification           |
| <b>Size:</b><br>150ul, Concentration: 1000 ug/ml by Nanodrop and 467 ug/ml by Bradford method using BSA as the standard; | <b>GeneID (NCBI):</b><br>1472                | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IHC 1:400-1:1600 |
| <b>Source:</b><br>Rabbit   | <b>UNIPROT ID:</b><br>P01036                 |  |
| <b>Isotype:</b><br>IgG   | <b>Full Name:</b><br>cystatin S              |  |
| <b>Immunogen Catalog Number:</b><br>AG25619  | <b>Observed MW:</b><br>16 kDa                |  |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, IHC, ELISA  | <b>Positive Controls:</b><br>WB : human saliva tissue,<br>IHC : human stomach cancer tissue, |
| <b>Cited Applications:</b><br>IHC  |  |
| <b>Species Specificity:</b><br>human   |  |
| <b>Cited Species:</b><br>human   |  |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |  |

## Background Information

Cystatins are a family of inhibitors of cysteine peptidases that comprises the salivary cystatins D and S-type (including CST5 and CST4,1,2) and cystatin C-type (CST3) (PMID: 25329717). The D and S-type cystatin have also been detected in seminal plasma, tears, and tracheobronchial fluid but not in other fluids and secretions where cystatin C is found. And the CST4 was expressed in the serous acinar and demilune cells of the human submandibular gland and at lower levels in the serous acini of the parotid gland (PMID:11879580). CST4 specifically combines with cysteine protease to regulate its activity, thus preventing hydrolysis of the extracellular matrix. And some studies propose that CST4 might be a biomarker for gastrointestinal cancer (PMID:29218251; PMID:29636621).

## Notable Publications

| Author      | Pubmed ID | Journal  | Application |
|-------------|-----------|----------|-------------|
| Shuang Wang | 33811900  | Life Sci | IHC         |

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

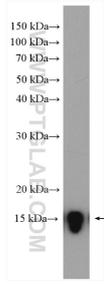
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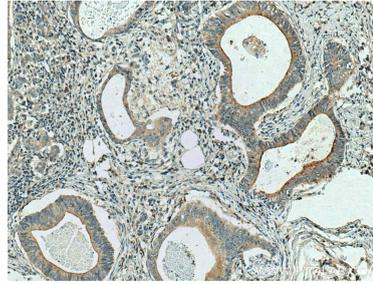
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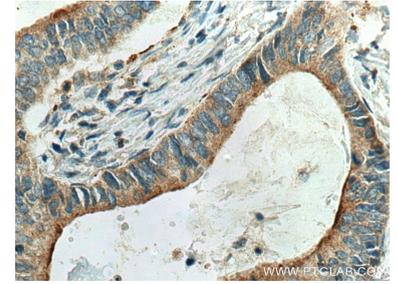
## Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 26979-1-AP (Cystatin S antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 26979-1-AP (Cystatin S antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 26979-1-AP (Cystatin S antibody) at dilution of 1:800 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).