

For Research Use Only

Cystatin S Polyclonal antibody

Catalog Number: 26979-1-AP **1 Publications**



Basic Information

Catalog Number: 26979-1-AP	GenBank Accession Number: BC065714	Purification Method: Antigen affinity purification
Size: 1000 µg/ml	GeneID (NCBI): 1472	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:400-1:1600
Source: Rabbit	UNIPROT ID: P01036	
Isotype: IgG	Full Name: cystatin S	
Immunogen Catalog Number: AG25619	Observed MW: 16 kDa	

Applications

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

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

For technical support and original validation data for this product please contact:

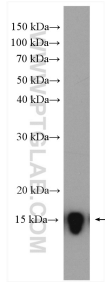
T: 4006900926

E: Proteintech-CN@ptglab.com

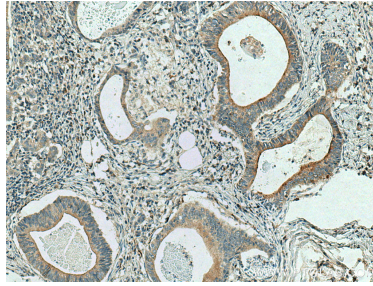
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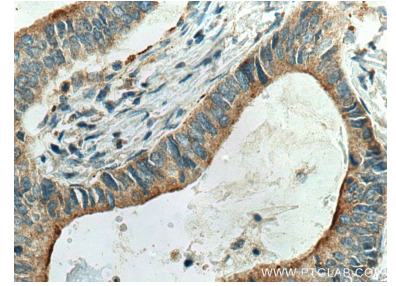
Selected Validation Data



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).