

**Anti-Cystatin C Antibody**  
**Catalog # ABO10694****Specification**

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**Anti-Cystatin C Antibody - Product Information**

Application	WB, IHC-P, ICC
Primary Accession	<a href="#">P01034</a>
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Cystatin-C(CST3) detection. Tested with WB, IHC-P, ICC in Human.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-Cystatin C Antibody - Additional Information**

**Gene ID** 1471

**Other Names**

Cystatin-C, Cystatin-3, Gamma-trace, Neuroendocrine basic polypeptide, Post-gamma-globulin, CST3

**Calculated MW**

15799 MW KDa

**Application Details**

Immunocytochemistry , 0.5-1 µg/ml, Human, -<br>Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat<br>Western blot, 0.1-0.5 µg/ml, Human<br>

**Subcellular Localization**

Secreted .

**Tissue Specificity**

Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland. .

**Protein Name**

Cystatin-C

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the C-terminus of human Cystatin C(45-63aa EEGVRRALDFAVGEYNKA).

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After r°Constitution, at 4°C for one month. It°Can also be aliquotted and stored frozen at -20°C for a longer time.Avoid repeated freezing and thawing.**

**Anti-Cystatin C Antibody - Protein Information**

**Name** CST3

**Function**

As an inhibitor of cysteine proteinases, this protein is thought to serve an important physiological role as a local regulator of this enzyme activity.

**Cellular Location**

Secreted.

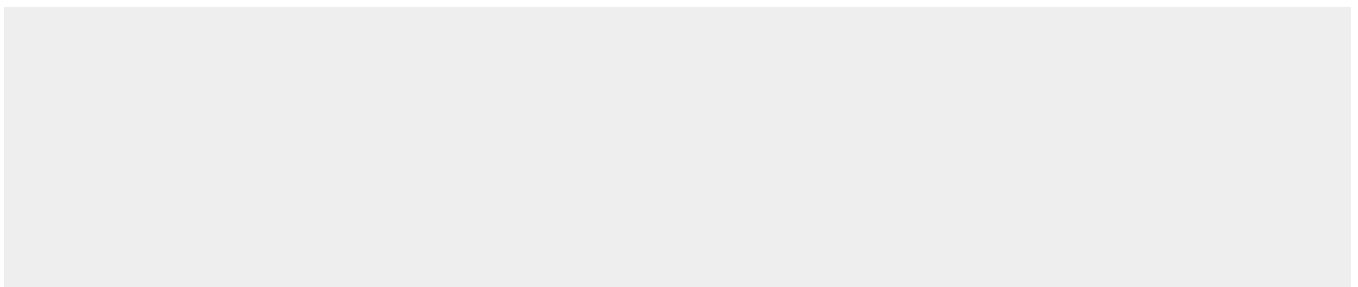
**Tissue Location**

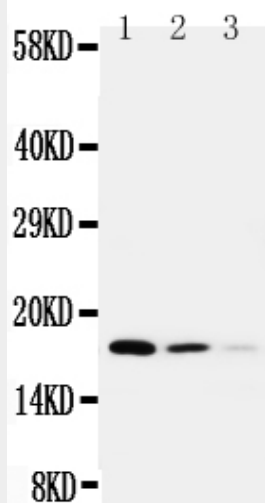
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**Anti-Cystatin C Antibody - Protocols**

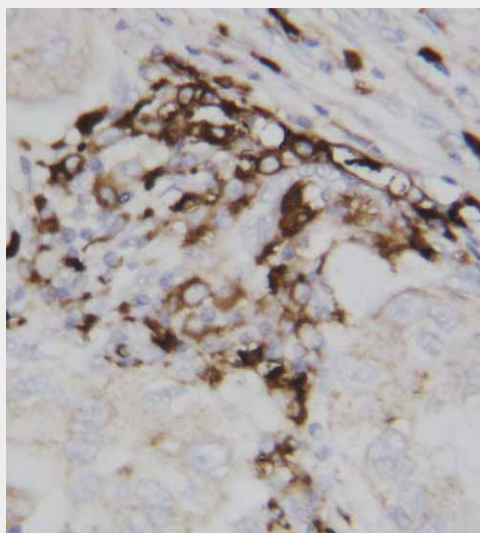
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

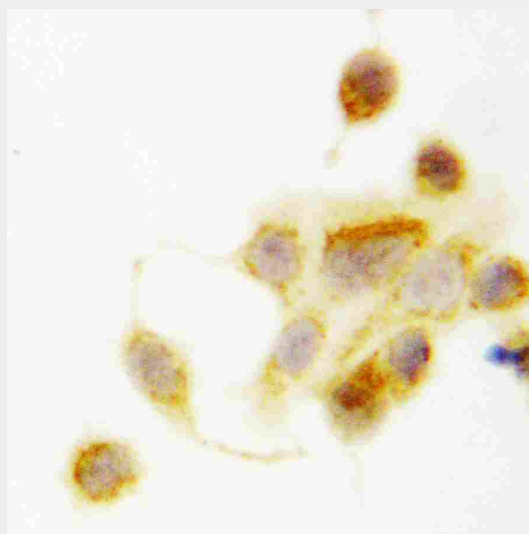
**Anti-Cystatin C Antibody - Images**



Anti-Cystatin C antibody, ABO10694, Western blotting  
Lane 1: Recombinant Human Cystatin C Protein 10ng  
Lane 2: Recombinant Human Cystatin C Protein 5ng  
Lane 3: Recombinant Human Cystatin C Protein 2.5ng



Anti-Cystatin C antibody, ABO10694, IHC(P) IHC(P): Human Mammary Cancer Tissue



Anti-Cystatin C antibody, ABO10694, ICCICC: MCF-7 Cell

### **Anti-Cystatin C Antibody - Background**

Cystatin C or cystatin 3, a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid, such as Alzheimer's disease. By human-rodent somatic cell hybridizations, Abrahamson et al.(1989) mapped the human CST3 to chromosome 20. Cystatin C was originally described as a constituent of normal cerebrospinal fluid(CSF) and of urine from patients with renal failure(Grubb and Lofberg, 1982). It is present in a number of neuroendocrine cells and its concentration in the CSF was reported to be 5.5 times that in plasma of healthy adults(Lofberg and Grubb, 1979; Lofberg et al., 1981; Lofberg et al., 1983). Grubb and Lofberg(1982) detected the protein in human pituitary gland, and suggested that it is part of the gastroenteropancreatic neuroendocrine system.