

**Cystatin A Antibody (Clone WR 23/2/3/3)**  
**Mouse Monoclonal Antibody**  
**Catalog # ABV10355****Specification**

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**Cystatin A Antibody (Clone WR 23/2/3/3) - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P01040</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG
Calculated MW	11006

**Cystatin A Antibody (Clone WR 23/2/3/3) - Additional Information****Gene ID 1475**

Application & Usage	Western blotting (1-4 µg/ml) and Immunohistochemistry. However, the optimal conditions should be determined individually. Recognizes human cystatin A. Does not cross-react with cystatin B.
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**Other Names**

Cystatin-A, Cystatin-AS, Stefin-A, Cystatin-A, N-terminally processed, CSTA, STF1, STFA

**Target/Specificity**

Cystatin A

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

100 µg (1 mg/ml) affinity purified mouse anti-Cystatin A monoclonal antibody (mouse IgG1) in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

Cystatin A Antibody (Clone WR 23/2/3/3) is for research use only and not for use in diagnostic or

therapeutic procedures.

### **Cystatin A Antibody (Clone WR 23/2/3/3) - Protein Information**

**Name** CSTA

**Synonyms** STF1, STFA

**Function**

This is an intracellular thiol proteinase inhibitor. Has an important role in desmosome-mediated cell-cell adhesion in the lower levels of the epidermis.

**Cellular Location**

Cytoplasm.

**Tissue Location**

Expressed in the skin throughout the epidermis.

### **Cystatin A Antibody (Clone WR 23/2/3/3) - 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](#)

### **Cystatin A Antibody (Clone WR 23/2/3/3) - Images**

### **Cystatin A Antibody (Clone WR 23/2/3/3) - Background**

Cystatin A (acid cysteine proteinase inhibitor, ACPI) is a natural inhibitor of cysteine proteinases and is located mainly in the keratohyaline granules of the stratum granulosum and the cornified envelope of the stratum corneum in the epidermis. Human cystatin A consists of 98 amino acid residues and belongs to cystatin subfamily I (stefins). Among the target enzymes inhibited by cystatin A are cathepsins B, C, H, L, and S, papain and actinidin. Cystatin A has also been detected in infiltrative breast carcinoma.