

Cystatin A Antibody (Clone WR 23/2/3/3)

CATALOG #:	3486-100
AMOUNT:	100 µg
LOT #:	_____
HOST:	Mouse
IMMUNOGEN:	Purified human cystatin A
CLONE#	WR 23/2/3/3

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.

SPECIES REACTIVITY: Human

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

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.

APPLICATION AND USAGE:

The antibody can be used for Western blotting (1-4 µg/ml) and immunohistochemistry. However, the optimal conditions should be determined individually.

SPECIFICITY: Recognizes human cystatin A. Does not cross-react with cystatin B.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

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- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
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- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

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