

Cystatin A Antibody

Mouse Monoclonal Antibody [Clone CPTC-CSTA-1]

| Catalog No | Format | Size |
|-----------------|-----------------------------------------------|--------|
| 1475-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 1475-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 1475-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

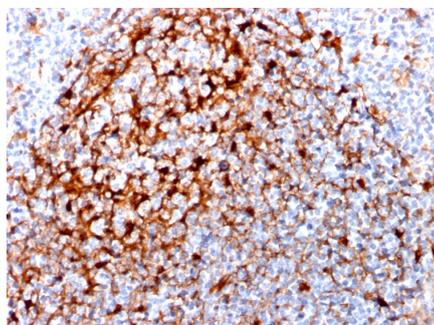
| Applications | Tested Dillution | Note |
|----------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

Product Details

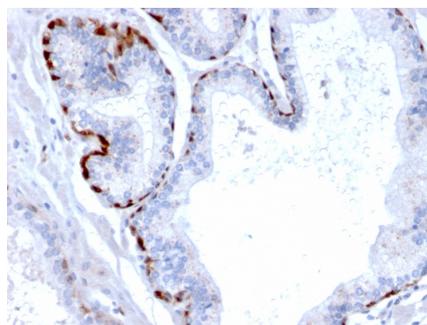
| | |
|------------------------|-----------------------------------------------------|
| Clone | CPTC-CSTA-1 |
| Gene Name | CSTA |
| Immunogen | Recombinant full-length human CSTA protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG2c / Kappa |
| Mol. Weight of Antigen | 11kDa |
| Cellular Localization | Cytoplasm |
| Species Reactivity | Human |
| Positive Control | THP-1 cells. Human tonsil or prostate tissue (IHC). |

**Optimal dilution for a specific application should be determined.*

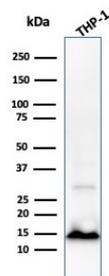
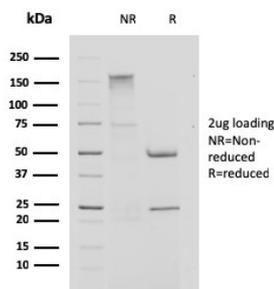
Product Images for Cystatin A Antibody



Formalin-fixed, paraffin-embedded human Tonsil stained with Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1).

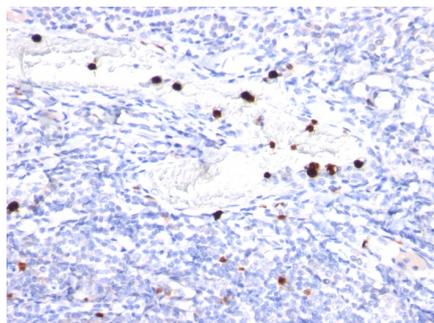


Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1).



SDS-PAGE Analysis of Purified Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1). Confirmation of Purity and Integrity of Antibody.

Western Blot Analysis of THP-1 cell lysate using Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1).



Formalin-fixed, paraffin-embedded human Tonsil stained with Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1).

Specificity & Comments

The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins, and kininogens. This gene encodes a stefin that functions as a cysteine protease inhibitor, forming tight complexes with papain and the cathepsins B, H, and L. The protein is one of the precursor proteins of cornified cell envelope in keratinocytes and plays a role in epidermal development and maintenance. Stefins have been proposed as prognostic and diagnostic tools for cancer.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Developmental Biology, Nuclear Marker