

Datasheet for ABIN6939196
anti-CSTA antibody



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5 Images

Overview

Quantity:	100 µg
Target:	CSTA
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CSTA antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Staining Methods (StM)

Product Details

Immunogen:	Recombinant full-length human CSTA protein
Clone:	CPTC-CSTA-1
Isotype:	IgG2c kappa
Purification:	Purified by Protein A/G

Target Details

Target:	CSTA
Alternative Name:	CSTA (CSTA Products)
Background:	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

Target Details

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.

Molecular Weight: 11kDa

Gene ID: 1475

UniProt: [P01040](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Application Notes: Positive Control: Human tonsil or prostate tissue (IHC).
Known Application: Immunohistochemistry (Formalin-fixed) (0.5-1 µg/mL for 30 min at RT)(Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

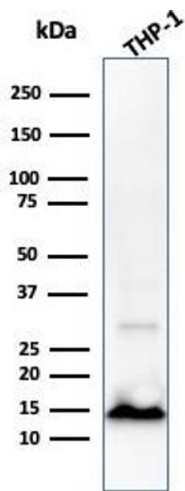
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-80 °C

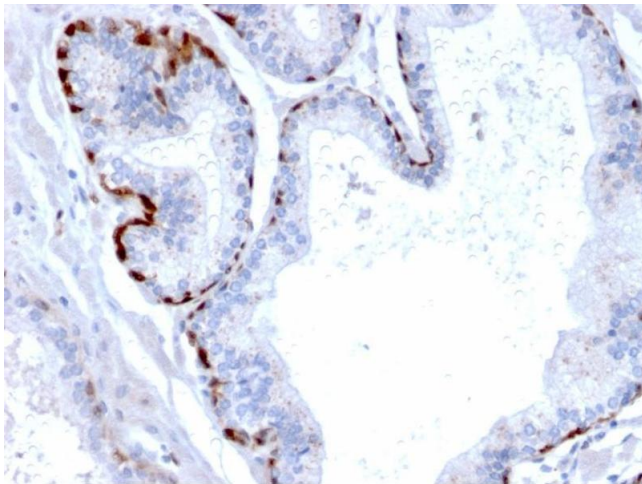
Storage Comment: Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Expiry Date: 24 months



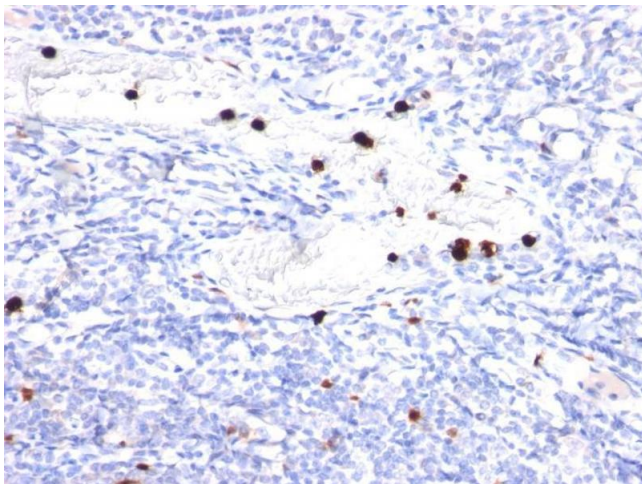
Western Blotting

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



Immunohistochemistry

Image 2. Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1).



Immunohistochemistry

Image 3. Formalin-fixed, paraffin-embedded human Tonsil stained with Cystatin A Mouse Monoclonal Antibody (CPTC-CSTA-1).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN6939196.