

Datasheet for ABIN2855050

anti-CSTB antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	CSTB
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CSTB antibody is un-conjugated
Application:	Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Cystatin B. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Rabbit Polyclonal antibody to Cystatin B (cystatin B (stefin B)) Cystatin B antibody
Purification:	Affinity purified by Protein A.

Target Details

Target:	CSTB
Alternative Name:	cystatin B (CSTB Products)

Target Details

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 stefin that functions as an intracellular thiol protease inhibitor. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins L, H and B. The protein is thought to play a role in protecting against the proteases leaking from lysosomes. Evidence indicates that mutations in this gene are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1).

Cellular Localization: Cytoplasm , Nucleus

Molecular Weight: 11 kDa

Gene ID: 1476

UniProt: [P04080](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Application Notes: ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 6.04 mg/mL

Buffer: 0.1M Tris-Glycine (pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

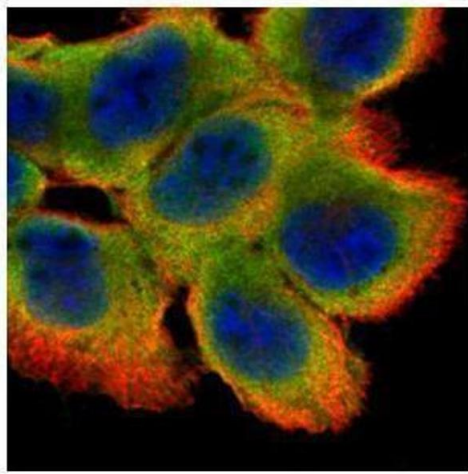
Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

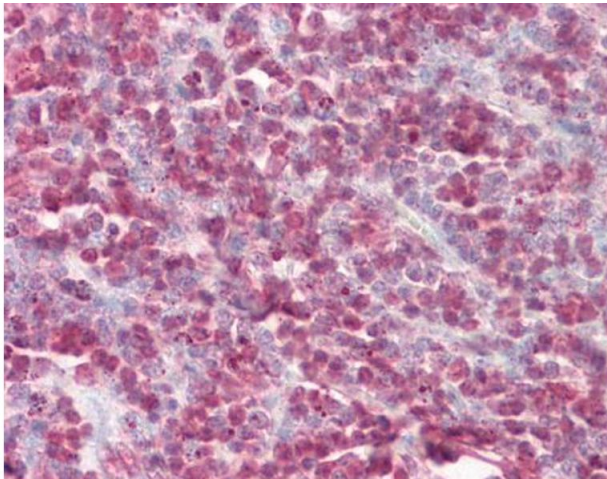
multiple freeze-thaw cycles.

Images



Immunofluorescence

Image 1. ICC/IF Image Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed A431, using Cystatin B, antibody (Green) at 1:500 dilution. Alpha-tubulin filaments were labeled with (Red) at 1:2000.



Immunohistochemistry

Image 2. IHC-P Image Cystatin B antibody detects Cystatin B protein at cytoplasm and nucleus human on tonsil by immunohistochemical analysis. Sample: Paraffin-embedded tonsil. Cystatin B antibody, dilution: 1:100.