

Anti-Cystatin B Antibody

Catalog # ABO11412

Product Information

Application	WB, IHC-P
Primary Accession	P04080
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Cystatin-B(CSTB) detection. Tested with WB, IHC-P in Human.

Reconstitution Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1476
Other Names	Cystatin-B, CPI-B, Liver thiol proteinase inhibitor, Stefin-B, CSTB, CST6, STFB
Calculated MW	11140
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, By Heat Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Cytoplasm . Nucleus .
Source	Eukaryota
Protein Name	Cystatin-B
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human Stefin B(26-45aa QLEEKENKKFPVFKAVSFKS).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After r° Constitution, at 4° C for one month. It° Can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.
Sequence Similarities	Belongs to the cystatin family.

Protein Information

Name	CSTB
Synonyms	CST6, STFB
Function	This is an intracellular thiol proteinase inhibitor. Tightly binding reversible inhibitor of cathepsins L, H and B.
Cellular Location	Cytoplasm. Nucleus

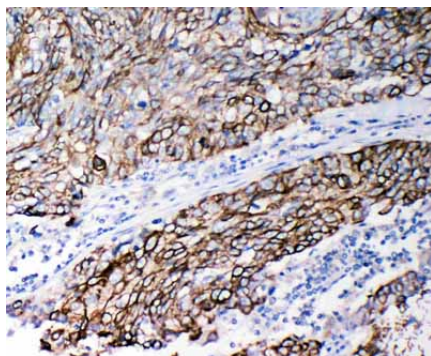
Background

Cystatin B(CSTB),also called STFB, is a small protein that is a member of the superfamily of cysteine protease inhibitors. It has been isolated from human spleen and liver and its amino acid sequence has been fully determined. The cystatin B gene is located on 21q22.3. It is widely distributed and is localized mostly intracellularly, but has been found extracellularly. The protein is able to form a dimer stabilized by noncovalent forces, inhibiting papain and cathepsins L, H and B. Its role is though to be as a protector against the proteinases leaking from lysosomes. A cystatin B multiprotein complex might have a specific cerebellar function, and that the loss of this function might contribute to the etiopathogenesis of EPM1. Upon differentiation to myotubes, CSTB becomes excluded from the nucleus and lysosomes, suggesting that the subcellular distribution of CSTB is dependent on the differentiation status of the cell.

Images



Anti-Stefin B antibody, ABO11412, Western blotting
Lane 1: A549 Cell Lysate
Lane 2: A431 Cell Lysate
Lane 3: COLO320 Cell Lysate
Lane 4: HELA Cell Lysate



Anti-Stefin B antibody, ABO11412, IHC(P)
IHC(P): Human Lung Cancer Tissue

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