Product datasheet

Anti-Cystatin C/CST3 Antibody

Catalog Number: *A00961-3*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-Cystatin C/CST3 Antibody
Gene Name	CST3
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	mouse, rat
Tested Application	WB, ELISA(Cap)
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived mouse Cystatin C recombinant protein (Position: A21-A140).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	16 kDa
Dilution Ratios	Western blot (WB):1:500-2000 ELISA(Cap): 1:50-1:200

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Cystatin C or cystatin 3, a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid, such as Alzheimer's disease. In humans, all cells with a nucleus (cell core containing the DNA) produce cystatin C as a chain of 120 amino acids. It is found in virtually all tissues and body fluids. It is a potent inhibitor of lysosomal proteinases (enzymes from a special subunit of the cell that break down proteins) and probably one of the most important extracellular inhibitors of cysteine proteases (it prevents the breakdown of proteins outside the cell by a specific type of protein degrading enzymes). Cystatin C belongs to the type 2 cystatin gene family.

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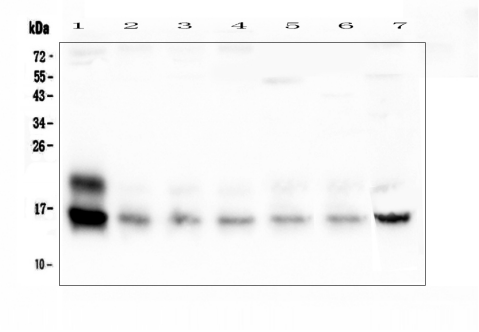
Reference

Anti-Cystatin C/CST3 Antibody 被引用在1文献中。

Selected Validation Data



Western blot analysis of Cystatin C/CST3 using anti-Cystatin C/CST3 antibody (A00961-3). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: mouse brain tissue lysates,
Lane 2: mouse spleen tissue lysates,
Lane 3: mouse heart tissue lysates,
Lane 4: mouse lung tissue lysates,
Lane 5: mouse kidney tissue lysates,
Lane 6: mouse testis tissue lysates,
Lane 7: mouse HEPA1-6 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Cystatin C/CST3 antigen affinity purified polyclonal antibody (A00961-3) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Cystatin C/CST3 at approximately 16 kDa. The expected band size for Cystatin C/CST3 is at 16 kDa.