

Rabbit anti-Human Cystatin C Polyclonal Antibody | anti-CST3 antibody

Anti-Cystatin C Antibody, Rabbit Polyclonal

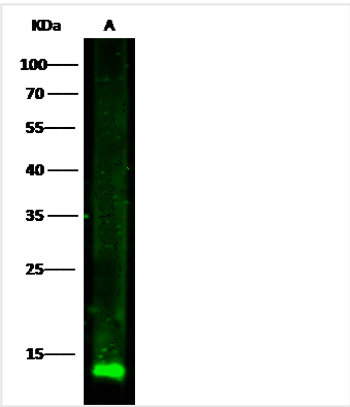
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254932	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

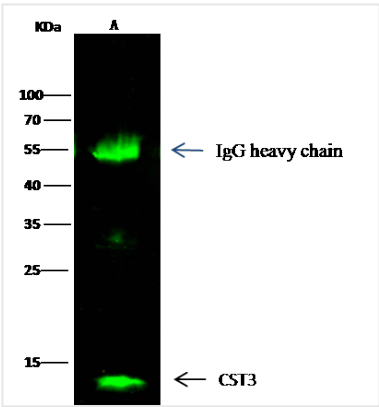
Cystatin C; Polyclonal Antibody; Anti-Cystatin C Antibody; Rabbit Polyclonal; Cystatin C/CST3 Antibody; Rabbit PAb; Antigen Affinity Purified; cystatin C; Anti-ARMD11 Antibody; anti-CST3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Cystatin C/CST3
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CST3 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human Cystatin C/CST3 protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human Cystatin C/CST3 (rh Cystatin C/CST3). Cystatin C/CST3 specific IgG was purified by Human Cystatin C/CST3 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)
Anti-CST3 rabbit polyclonal antibody at 1:500 dilutionLane A: HepG2 Whole Cell LysateLysates/proteins at 30 ug per lane.SecondaryGoat Anti-Rabbit IgG H&L (Dylight800) at 1/10000 dilution.Developed using the Odyssey technique.Performed under reducing conditions.Predicted band size:13 kDaObserved band size:13 kDa



IP (Immunoprecipitation)
CST3 was immunoprecipitated using:Lane A:0.5 mg HepG2 Whole Cell Lysate2 uL anti-CST3 rabbit polyclonal antibody and 15 ul of 50 % Protein G agarose.Primary antibody:Anti-CST3 rabbit polyclonal antibody,at 1:200 dilutionSecondary antibody:Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilutionDeveloped using the odssey technique.Performed under reducing conditions.Predicted band size: 14 kDaObserved band size: 14 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-CST3 antibody	Cystatin C, also known as Cystatin-3 (CST3) is a secreted type 2 cysteine protease inhibitor synthesized in all nucleated cells, has been proposed as a replacement for serum creatinine for the assessment of renal function, particularly to detect small reductions in glomerular filtration rate. The mature, active form of human cystatin C is a single non-glycosylated polypeptide chain consisting of 120 amino acid residues, with a molecular mass of 13, 343-13, 359 Da, and containing four characteristic disulfide-paired cysteine residues. Cystatin C is a low-molecular-weight protein that has been proposed as a marker of renal function that could replace creatinine. Indeed, the concentration of Cystatin C is mainly determined by glomerular filtration and is particularly of interest in clinical settings where the relationship between creatinine production and muscle mass impairs the clinical performance of creatinine. Since the last decade, numerous studies have evaluated its potential use in measuring renal function in various populations. More recently, other potential developments for its clinical use have emerged. In almost all the clinical studies, Cystatin C demonstrated a better accuracy than serum creatinine in discriminating normal from impaired kidney function, but controversial results have been obtained by comparing this protein with other indices of kidney disease, especially serum creatinine-based equations, such as early atherosclerosis, Alzheimer's dementia, vascular aneurysms, hyperhomocysteinaemia and other neurodegenerative diseases. Cystatin C could be a useful clinical tool to identify HIV-infected persons. In addition, its expression is up-regulated in malignance of certain tumor progression.
References	Mares J, et al. (2003) Use of cystatin C determination in clinical diagnostics. Biomed Pap Med Fac Univ Palacky Olomouc Czech Repub. 147(2): 177-80.Mussap M, et al. (2004) Biochemistry and clinical role of human cystatin C. Crit Rev Clin Lab Sci. 41(5-6): 467-550.Sronie-Vivien S, et al. (2008) Cystatin C: current position and future prospects. Clin Chem Lab Med. 46(12): 1664-86.Taglieri N, et al. (2009) Cystatin C and cardiovascular risk. Clin Chem. 55(11): 1932-43.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503107
NCBI GeneID	1471
NCBI Accession #	NP_000090.1
NCBI GenBank Nucleotide #	NM_000099.3
UniProt Accession #	P01034; Q6FGW9; B2R5J9; D3DW42
Molecular Weight	15,799 Da
NCBI Official Full Name	cystatin-C
NCBI Official Synonym Full Names	cystatin C

NCBI Official Symbol	CST3
NCBI Official Synonym Symbols	ARMD11
NCBI Protein Information	cystatin-C; bA218C14.4 (cystatin C); cystatin 3; cystatin-3; gamma-trace; neuroendocrine basic polypeptide; post-gamma-globulin
UniProt Protein Name	Cystatin-C
UniProt Gene Name	CST3
UniProt Entry Name	CYTC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cystatin-c-antibody-immunoprecipitation-western-blot-elisa/254932>