



Rabbit Anti-Human Cystatin SN monoclonal antibody, clone S222 (CABT-ZB850)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human Cystatin SN
Target	CST1
Immunogen	Recombinant Human Cystatin SN/CST1 protein
Isotype	IgG2a
Source/Host	Rabbit
Species Reactivity	Human
Clone	S222
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB462 - CABT-ZB850 This antibody will detect Cystatin SN in antibody pair set. [ABPR-ZB036]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Cystatin SN / CST1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL

Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	Cystatin-SN, also known as Cystain-SA-I, Cystatin-1, Salivary cystatin-SA-1 and CST1, is a secreted protein which belongs to the cystatin family. 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. Cystatin-SN/CST1 is expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Cystatin-SN/CST1 is also expressed in saliva, tears, urine and seminal fluid. Human saliva appears to contain several cysteine proteinase inhibitors that are immunologically related to cystatin S but that differ in their specificity due to amino acid sequence differences. Human salivary cystatins include Cystatin-S, Cystatin-S1, Cystatin-S2, Cystatin-SA, Cystatin-SN, Cystatin-C and Cystatin-D. Cystatin-SN is a much better inhibitor of papain and dipeptidyl peptidase I than is cystatin-S, although both inhibit ficin equally well.
Keywords	CST1; cystatin SN; cystatin-SN; cystatin 1

GENE INFORMATION

Synonyms	CST1; cystatin SN; cystatin-SN; cystatin 1; cystatin-1; cystain-SA-I; cystatin SA-I; salivary cystatin-SA-1; cysteine proteinase inhibitor, type 2 family
Entrez Gene ID	1469
UniProt ID	P01037