



Rabbit Anti-Human Cystatin SA monoclonal antibody, clone S127 (CABT-ZB1082)

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

PRODUCT INFORMATION

Specificity	It reacts with Human Cystatin SA
Target	CST2
Immunogen	Recombinant Human Cystatin SA/CST2 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S127
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB776 - CABT-ZB1082 This antibody will detect Cystatin SA in antibody pair set. [ABPR-ZB356]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human Cystatin SA / CST2.
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-SA, also known as Cystatin-2, Cystatin-S5 and CST2, is a secreted protein which belongs to the cystatin family. Cystatin-2/CST2 is expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). It is also expressed in submandibular gland and parotid gland. 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 the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where they appear to provide protective functions. The CST1, CST2, CST4, and CST5 are expressed in differential, tissue-specific patterns. Expression of CST2 and CST5 is restricted to the submandibular and parotid glands, while CST1 and CST4 are expressed in these tissues and in the lacrimal gland.

Keywords CST1; cystatin SN; cystatin-SN; cystatin 1

GENE INFORMATION

Synonyms CST1; cystatin SN; cystatin-SN; cystatin 1; cystatin-1; cystatin-SA-I; cystatin SA-I; salivary cystatin-SA-1; cysteine proteinase inhibitor, type 2 family

Entrez Gene ID [1470](#)

UniProt ID [P09228](#)