



# Rabbit Anti-Human Cystatin SA monoclonal antibody, clone S116 (CABT-ZB776)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human Cystatin SA
<b>Target</b>	CST2
<b>Immunogen</b>	Recombinant Human Cystatin SA/CST2 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Clone</b>	S116
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) 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]
<b>Preparation</b>	This antibody was obtained from a rabbit immunized with purified, recombinant Human Cystatin SA / CST2.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	50 µL, 100 µL, 1 mL

<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	CST1; cystatin SN; cystatin-SN; cystatin 1

## GENE INFORMATION

<b>Synonyms</b>	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
<b>Entrez Gene ID</b>	<a href="#">1470</a>
<b>UniProt ID</b>	<a href="#">P09228</a>