



# Anti-CST1 monoclonal antibody (DCABH-11148)

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

## PRODUCT INFORMATION

**Antigen Description** 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 cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes a cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid.

<b>Immunogen</b>	A synthetic peptide of human CST1 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

<b>Gene Name</b>	<a href="#">CST1 cystatin SN [ Homo sapiens ]</a>
<b>Official Symbol</b>	CST1
<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="#">1469</a>
<b>Protein Refseq</b>	<a href="#">NP_001889</a>
<b>UniProt ID</b>	<a href="#">P01037</a>
<b>Chromosome Location</b>	20p11.2
<b>Pathway</b>	Salivary secretion, organism-specific biosystem; Salivary secretion, conserved biosystem;
<b>Function</b>	cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;