

CST4 antibody - N-terminal region (ARP41986_T100)

Data Sheet

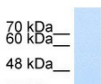
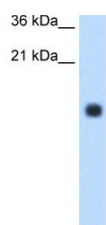
Product Number	ARP41986_T100
Product Name	CST4 antibody - N-terminal region (ARP41986_T100)
Size	100ug
Gene Symbol	CST4
Alias Symbols	MGC71923
Nucleotide Accession#	NM_001899
Protein Size (# AA)	141 amino acids
Molecular Weight	16kDa
Product Format	Lyophilized powder
NCBI Gene Id	1472
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Cystatin S
Description	This is a rabbit polyclonal antibody against CST4. It was validated on Western Blot using a cell lysate as a positive control. Aviva Systems Biology strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Target Reference	Dickinson,D.P., (2002) DNA Cell Biol. 21 (1), 47-65
Description of Target	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. The protein is an S-type cystatin, based on its high level of expression in saliva, tears and seminal plasma. The specific role in these fluids is unclear but antibacterial and antiviral activity is present, consistent with a protective function. 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. 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 type 2 salivary cysteine peptidase inhibitor. The protein is an S-type cystatin, based on its high level of expression in saliva, tears and seminal plasma. The specific role in these fluids is unclear but antibacterial and antiviral activity is present, consistent with a protective function.
Blocking Peptide	For anti-CST4 antibody is Catalog # AAP41986 (Previous Catalog # AAP11303)
Immunogen	The immunogen for anti-CST4 antibody: synthetic peptide directed towards the N terminal of human CST4
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Peptide Sequence	Synthetic peptide located within the following region: MARPLCTLLLMATLAGALASSSKEENRIIPGGYDADLNDEWVQRALHF
Reconstitution and Storage	Add 100 ul of distilled water. Final anti-CST4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Swissprot Id	P01036
Protein Name	Cystatin-S
Sample Type Confirmation	CST4 is supported by BioGPS gene expression data to be expressed in HepG2
Protein Accession #	NP_001890
Purification	Protein A purified
Species Reactivity	Human
Application	WB
Predicted Homology Based on Immunogen Sequence	Human: 100%
	<p>Human HepG2</p>  <p>WB Suggested Anti-CST4 Antibody Titration:</p>

Image 1



1.25ug/ml

Positive Control: HepG2 cell lysate

CST4 is supported by BioGPS gene expression data to be expressed in HepG2

This product is for Research Use Only. Not for diagnostic, human, or veterinary use.
Optimal conditions of its use should be determined by end users.