



# Cystatin 11 rabbit pAb

Cat No.:ES2117

For research use only

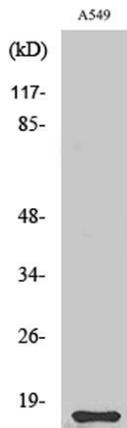
## Overview

<b>Product Name</b>	Cystatin 11 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human CST11. AA range:81-130
<b>Specificity</b>	Cystatin 11 Polyclonal Antibody detects endogenous levels of Cystatin 11 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cystatin-11
<b>Gene Name</b>	CST11
<b>Cellular localization</b>	Secreted . Probably secreted into the epididymis lumen, where it localizes to the outer surface of sperm. Specifically localizes to the postacrosomal and tail regions of sperm. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	17kD
<b>Human Gene ID</b>	140880
<b>Human Swiss-Prot Number</b>	Q9H112
<b>Alternative Names</b>	CST11; CST8L; Cystatin-11
<b>Background</b>	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

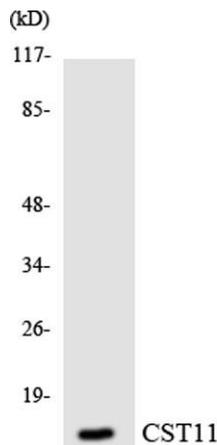




this inhibitory activity. There are three inhibitory families in the superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes an epididymal-specific protein shown to have antimicrobial activity against *E. coli*. Alternative splicing yields two variants encoding distinct isoforms. [provided by RefSeq, Sep 2014],



Western Blot analysis of various cells using Cystatin 11 Polyclonal Antibody



Western blot analysis of the lysates from Jurkat cells using CST11 antibody.

