

For Research Use Only

# Cystatin A Recombinant antibody, PBS Only

Catalog Number: 84953-4-PBS



## Basic Information

<b>Catalog Number:</b> 84953-4-PBS	<b>GenBank Accession Number:</b> BC010379	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1475	<b>CloneNo.:</b> 242558F10
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P01040	
<b>Isotype:</b> IgG	<b>Full Name:</b> cystatin A (stefin A)	
<b>Immunogen Catalog Number:</b> AG8733	<b>Calculated MW:</b> 98 aa, 11 kDa	
	<b>Observed MW:</b> 11 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Cystatin A (CSTA) is a member of the cystatin superfamily, which are thiol proteinase inhibitors (TPI) that play crucial roles in regulating proteolytic activity. It is a small protein composed of 98 amino acids with a molecular weight of approximately 11 kDa. CSTA is primarily expressed in epithelial tissues, such as the skin and esophagus, where it serves as a precursor protein for the cornified cell envelope in keratinocytes.

## Storage

**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

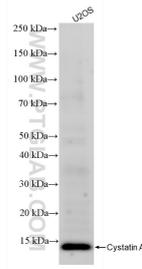
For technical support and original validation data for this product please contact:

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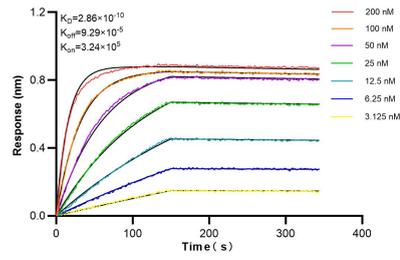
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## Selected Validation Data



U2OS cells were subjected to SDS PAGE followed by western blot with 84953-4-RR (CSTA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84953-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84953-4-RR against Human Cystatin A were performed. The affinity constant is 0.286 nM.