

For Research Use Only

Cystatin A Recombinant antibody

Catalog Number: 84953-4-RR



Basic Information

Catalog Number: 84953-4-RR	GenBank Accession Number: BC010379	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1475	CloneNo.: 242558F10
Source: Rabbit	UNIPROT ID: P01040	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG	Full Name: cystatin A (stefin A)	
Immunogen Catalog Number: AG8733	Calculated MW: 98 aa, 11 kDa	
	Observed MW: 11 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U2OS cells,
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 -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

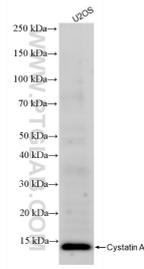
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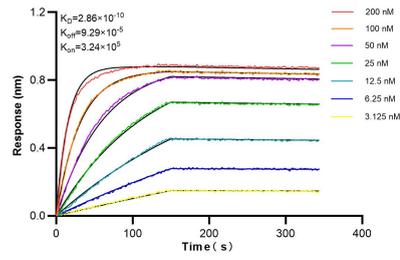
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Selected Validation Data



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.



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