

For Research Use Only

Cystatin A Recombinant antibody

Catalog Number: 84953-4-RR



Basic Information

Catalog Number:

84953-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8733

GenBank Accession Number:

BC010379

GeneID (NCBI):

1475

UNIPROT ID:

P01040

Full Name:

cystatin A (stefin A)

Calculated MW:

98 aa, 11 kDa

Observed MW:

11 kDa

Purification Method:

Protein A purification

CloneNo.:

242558F10

Recommended Dilutions:

WB 1:1000-1:6000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : U2OS cells,

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

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

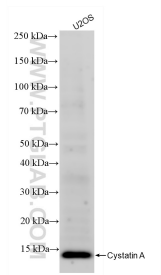
T: 4006900926

E: Proteintech-CN@ptglab.com

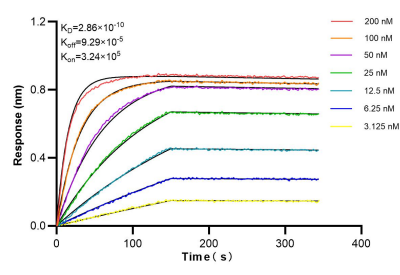
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Selected Validation Data



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.