

For Research Use Only

Cystatin C Recombinant antibody, PBS Only

Catalog Number: 82441-1-PBS

Featured Product



Basic Information

Catalog Number:

82441-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2890

GenBank Accession Number:

BC013083

GeneID (NCBI):

1471

UNIPROT ID:

P01034

Full Name:

cystatin C

Calculated MW:

146 aa, 16 kDa

Observed MW:

13 kDa

Purification Method:

Protein A purification

CloneNo.:

1I20

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

Cystatin C is a 13-kDa inhibitor of cysteine proteinases which is secreted by all cell types and is completely cleared from the organism through glomerular filtration, shown to be an early and sensitive biomarker of renal dysfunction. It is also used as an emerging biomarker in cardiovascular disease. Cystatin C is involved in a variety of inflammatory reactions. The concentration of serum cystatin C has also been shown to be unaltered in certain inflammatory conditions or other disorders of metabolism. The plasma level of serum cystatin C can be expressed as its level of generation from cells and diet and its subsequent elimination through the gut, liver, and kidneys.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

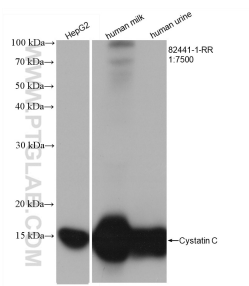
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

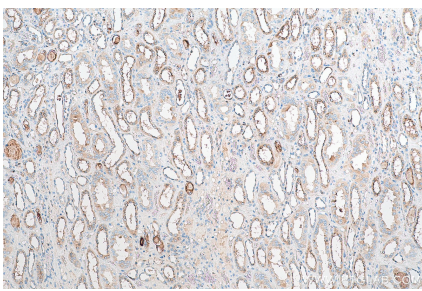
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

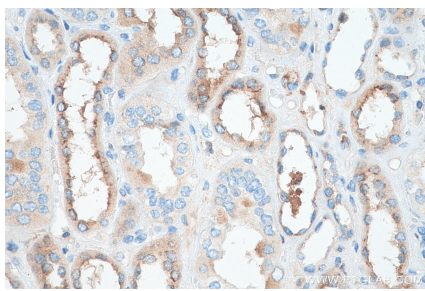
Selected Validation Data



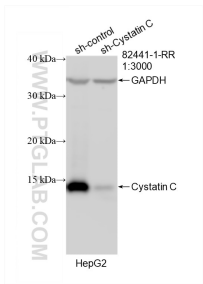
Various lysates were subjected to SDS PAGE followed by western blot with 82441-1-RR (Cystatin C antibody) at dilution of 1:3300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 82441-1-PBS in a different storage buffer formulation.



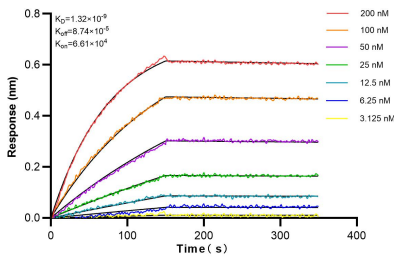
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 82441-1-RR (Cystatin C antibody) at dilution of 1:300 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82441-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 82441-1-RR (Cystatin C antibody) at dilution of 1:300 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 82441-1-PBS in a different storage buffer formulation.



WB result of Cystatin C antibody (82441-1-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-Cystatin C transfected HepG2 cells. This data was developed using the same antibody clone with 82441-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 82441-1-RR against Human Cystatin C were performed. The affinity constant is below 1 pM.