

For Research Use Only

Cystatin C Recombinant antibody

Catalog Number: 82441-1-RR



Basic Information

Catalog Number: 82441-1-RR	GenBank Accession Number: BC013083	Purification Method: Protein A purification
Size: 750 µg/ml	GeneID (NCBI): 1471	CloneNo.: 1I20
Source: Rabbit	UNIPROT ID: P01034	Recommended Dilutions: WB 1:2000-1:15000 IHC 1:150-1:600
Isotype: IgG	Full Name: cystatin C	
Immunogen Catalog Number: AG2890	Calculated MW: 146 aa, 16 kDa	
	Observed MW: 13 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: Human	WB: HepG2 cells, human milk, human urine
	IHC: human kidney tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

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 -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:

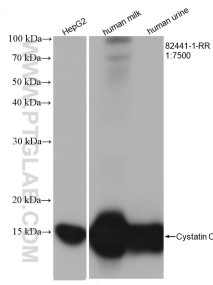
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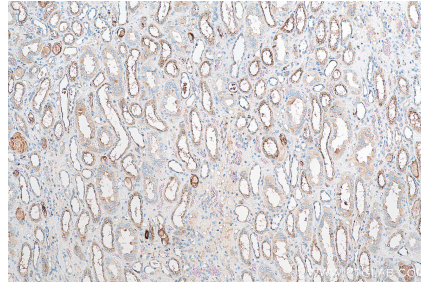
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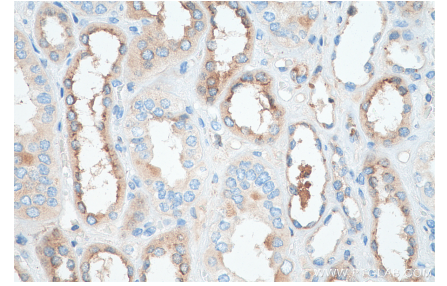
Selected Validation Data



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.



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).



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).