For Research Use Only

Cystatin C Polyclonal antibody

Catalog Number:31116-1-AP 1 Publications

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Basic Information

Catalog Number:
31116-1-AP

Size:
150ul , Concentration: 650 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
NM_009976.4

GeneID (NCBI):
13010

UNIPROT ID:
P21460

Full Name:
cystatin C

Calculated MW:
15KD

Observed MW:
13-16 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
IF

Species Specificity:
human, mouse, rat

Cited Species:
rat

Positive Controls:

WB : 4T1 cells, HepG2 cells, PC-12 cells

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 kidney.

Notable Publications

Author	Pubmed ID	Journal	Application
Yongfang Zhou	38676809	Mol Neurobiol	IF

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

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
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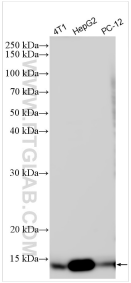
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 31116-1-AP (cystatin c antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.