

Cystatin C Rabbit mAb

Catalog No: #49285



Package Size: #49285-1 50ul #49285-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

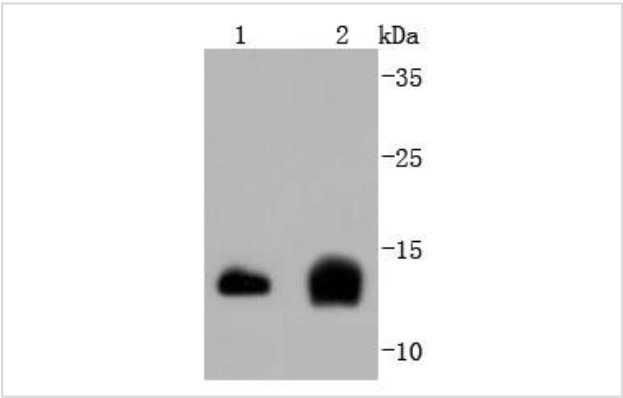
Description

Product Name	Cystatin C Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JJ09-16
Purification	ProA affinity purified
Applications	WB, IHC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	AD 8 antibody AD8 antibody Amyloid angiopathy and cerebral hemorrhage antibody ARMD11 antibody bA218C14.4 (cystatin C) antibody bA218C14.4 antibody Cst 3 antibody Cst3 antibody CST3 protein antibody Cystatin 3 antibody Cystatin-3 antibody Cystatin-C antibody Cystatin3 antibody CystatinC antibody CYTC_HUMAN antibody Epididymis secretory protein Li 2 antibody Gamma trace antibody Gamma-trace antibody HCCAA antibody HEL S 2 antibody MGC117328 antibody Neuroendocrine basic polypeptide antibody Post gamma globulin antibody Post-gamma-globulin antibody
Accession No.	Swiss-Prot#:P01034
Uniprot	P01034
GeneID	1471;
Calculated MW	16 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

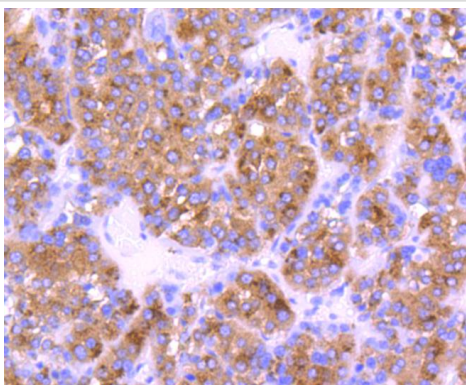
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200

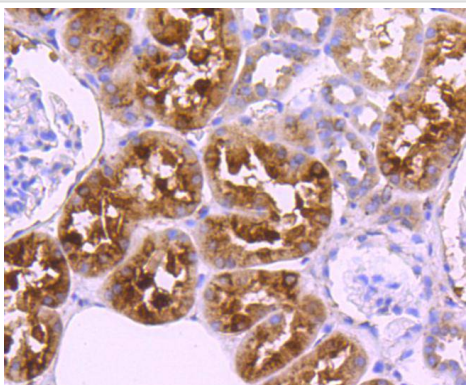
Images



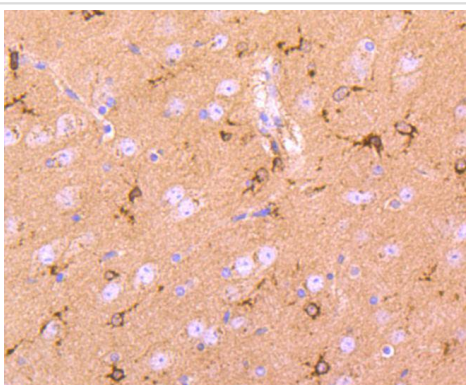
Western blot analysis of Cystatin C on different lysates using anti-Cystatin C antibody at 1/1,000 dilution. Positive control: Lane 1: Hela Lane 2: Mouse spleen



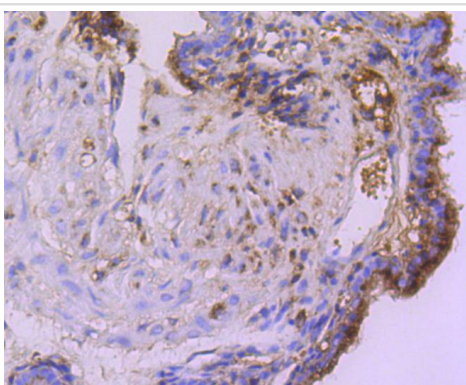
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-Cystatin C antibody. Counter stained with hematoxylin.



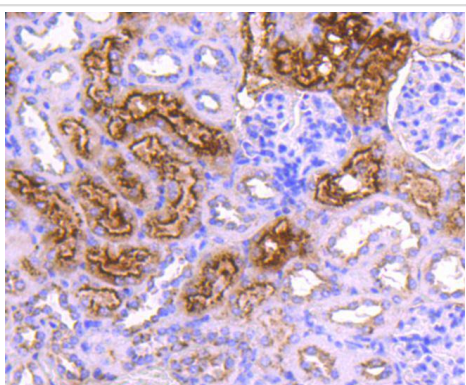
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Cystatin C antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-Cystatin C antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue using anti-Cystatin C antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-Cystatin C antibody. Counter stained with hematoxylin.

Background

Cystatin C is a cysteine (thiol) protease inhibitor that belongs to the type II cystatin gene superfamily and is the most abundant extracellular inhibitor of cysteine proteases. Cystatin C is a constitutively secreted, amyloidogenic protein, which forms a two-fold symmetric dimer and modulates both cysteine protease activity and the expression of class II MHC molecules. Expression of cystatin C is an indicator of kidney function and glomerular filtration rate. Mutations in the cystatin C gene can lead to protein aggregates, which are implicated in hereditary amyloid angiopathy (HCCAA) and cerebral hemorrhage. Although both wild-type and mutant cystatin C are capable of forming concentration dependent inactive dimers, mutant cystatin C dimerizes at lower concentrations and is more susceptible to serine proteases, which may facilitate aggregation. In neuronal cells, oxidative stress stimulates expression of cystatin C, which may positively regulate apoptosis.

References

Note: This product is for in vitro research use only