

For Research Use Only

Cystatin A Polyclonal antibody

Catalog Number: 15962-1-AP

Featured Product

3 Publications



Basic Information

Catalog Number:

15962-1-AP

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

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

Positive Controls:

WB : human saliva tissue, NIH/3T3 cells, A549 cells

IHC : human intrahepatic cholangiocarcinoma tissue,

IF/ICC : HepG2 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Rui Wei	36007331	Biochem Biophys Res Commun	WB, IF
Jihuan Hou	39146185	Cell Rep	WB
Rahman S M Jamshedur SM	21487035	Cancer Res	IHC

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

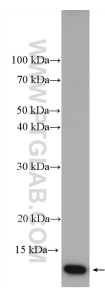
For technical support and original validation data for this product please contact:

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

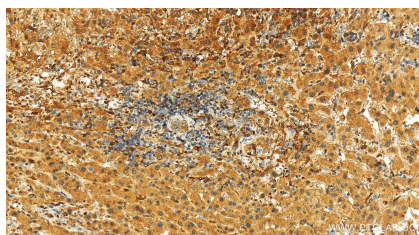
E: proteintech@ptglab.com
W: ptglab.com

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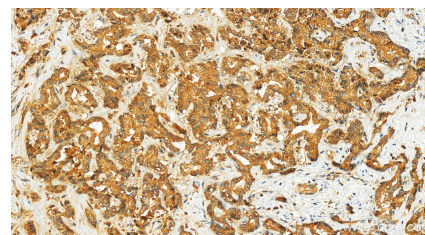
Selected Validation Data



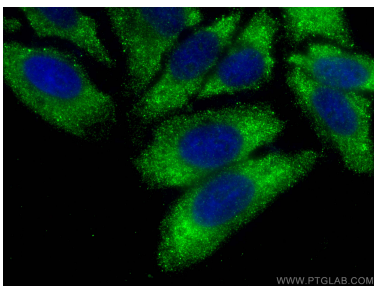
human saliva were subjected to SDS PAGE followed by western blot with 15962-1-AP (Cystatin A antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 15962-1-AP (Cystatin A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human intrahepatic cholangiocarcinoma tissue slide using 15962-1-AP (Cystatin A antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Cystatin A antibody (15962-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).