

For Research Use Only

Cystatin B Polyclonal antibody, PBS Only

Catalog Number: 10823-1-PBS

Featured Product



Basic Information

Catalog Number:

10823-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1262

GenBank Accession Number:

BC003370

GeneID (NCBI):

1476

UNIPROT ID:

P04080

Full Name:

cystatin B (stefin B)

Calculated MW:

11 kDa

Observed MW:

11 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, Indirect ELISA

Species Specificity:

human

Background Information

Cystatin B (CSTB), a member of the cystatin superfamily protein, is a stefin that functions as an intracellular thiol protease inhibitor and has been thought to play a role in protecting against the proteases leaking from lysosomes. CSTB plays various functions in a variety of diseases, including epithelial ovarian cancer, colon cancer, and myoclonus epilepsy. Evidence indicates that mutations in CSTB are responsible for the primary defects in patients with progressive myoclonic epilepsy (EPM1). One type of mutation responsible for EPM1 is the expansion in the promoter region of this gene of a CCCCCCCCCG repeat from 2-3 copies to 30-78 copies.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

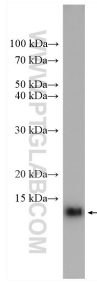
For technical support and original validation data for this product please contact:

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

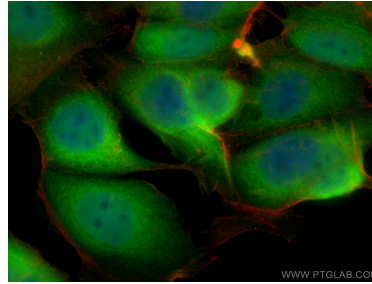
E: proteintech@ptglab.com
W: ptglab.com

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

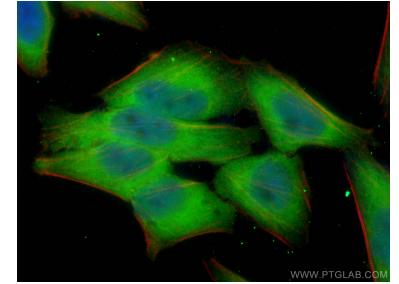
Selected Validation Data



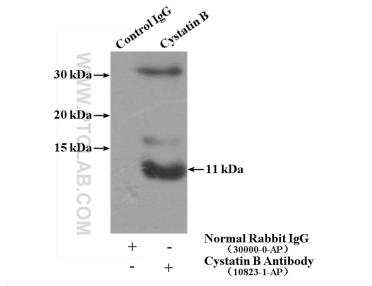
human saliva were subjected to SDS PAGE followed by western blot with 10823-1-AP (Cystatin B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10823-1-PBS in a different storage buffer formulation.



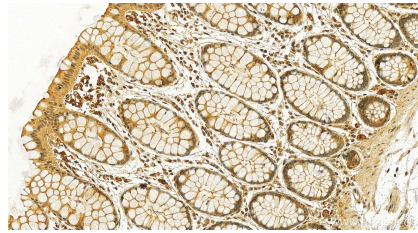
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Cystatin B antibody (10823-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 10823-1-PBS in a different storage buffer formulation.



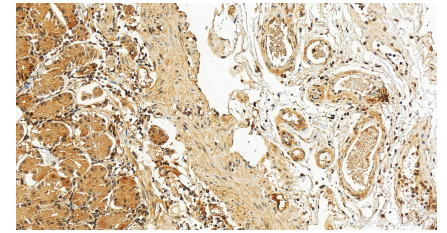
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Cystatin B antibody (10823-1-AP) at dilution of 1:400 and Coralite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-phalloidin (red). This data was developed using the same antibody clone with 10823-1-PBS in a different storage buffer formulation.



IP result of anti-Cystatin B (IP:10823-1-AP, 4ug; Detection:10823-1-AP 1:4000) with MCF-7 cells lysate 1320ug. This data was developed using the same antibody clone with 10823-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 10823-1-AP (Cystatin B antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10823-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10823-1-AP (Cystatin B antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10823-1-PBS in a different storage buffer formulation.