

For Research Use Only

CLPP Polyclonal antibody

Catalog Number: 15698-1-AP

Featured Product

47 Publications



Basic Information

Catalog Number:

15698-1-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8325

GenBank Accession Number:

BC002956

GeneID (NCBI):

8192

UNIPROT ID:

Q16740

Full Name:

ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli)

Calculated MW:

30 kDa

Observed MW:

26 kDa, 30 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:8000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, ColP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, chicken, zebrafish, goat

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 placenta tissue, rat heart tissue, K-562 cells, mouse heart tissue

IP: mouse skeletal muscle tissue,

IHC: human liver cancer tissue, human kidney tissue, human testis tissue, human liver tissue

IF/ICC: HeLa cells,

Background Information

CLPP is the putative ATP-dependent Clp protease proteolytic subunit and also named as endopeptidase Clp. It belongs to the peptidase S14 family. Clp cleaves peptides in various proteins in a process that requires ATP hydrolysis. It may be responsible for a fairly general and central housekeeping function rather than for the degradation of specific substrates. This protein has a transit peptide of 56 amino acid.

Notable Publications

Author	Pubmed ID	Journal	Application
Olga Zurita Rendón	30061372	Mol Cell Biol	
Saara Forsström	31523008	Cell Metab	WB
Uwe Richter	26504172	J Cell Biol	WB

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:

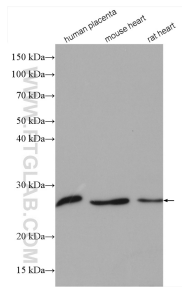
T: 4006900926

E: Proteintech-CN@ptglab.com

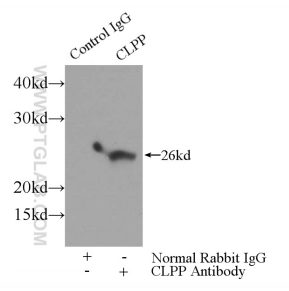
W: ptgcn.com

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

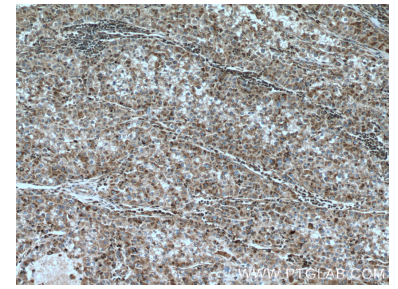
Selected Validation Data



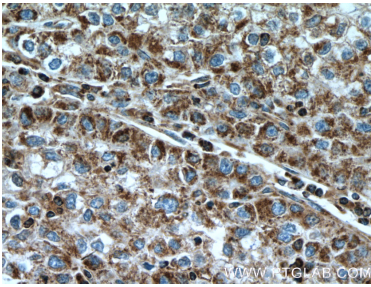
Various lysates were subjected to SDS PAGE followed by western blot with 15698-1-AP (CLPP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



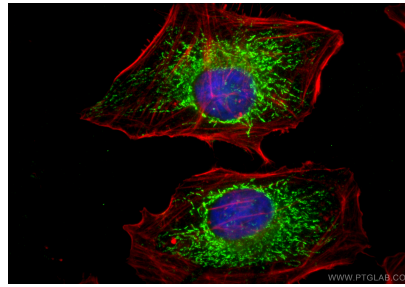
IP result of anti-CLPP (IP:15698-1-AP, 3ug; Detection:15698-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15698-1-AP (CLPP Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 15698-1-AP (CLPP Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CLPP antibody (15698-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).