

For Research Use Only

CLPP Polyclonal antibody

Catalog Number: 15698-1-AP

Featured Product

49 Publications



Basic Information

Catalog Number:

15698-1-AP

Size:

150ul, Concentration: 800 ug/ml by Nanodrop;

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, CoIP

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, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

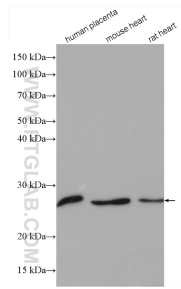
For technical support and original validation data for this product please contact:

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

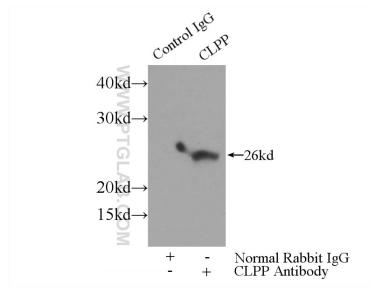
E: proteintech@ptglab.com
W: ptglab.com

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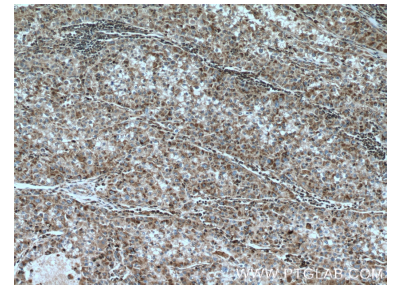
Selected Validation Data



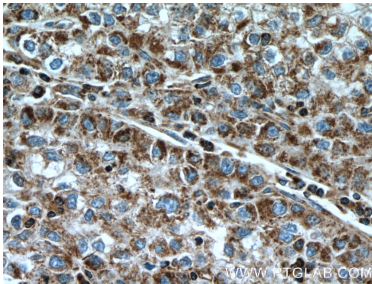
Various lysates were subjected to SDS PAGE followed by western blot with 15698-1-AP (CLPP antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



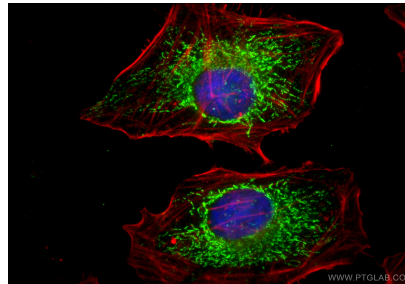
IP result of anti-CLPP (IP:15698-1-AP, 3ug; Detection:15698-1-AP 1:500) with mouse skeletal muscle tissue lysate 4000ug.



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).