

For Research Use Only

CLPP Monoclonal antibody

Catalog Number: 66271-1-Ig

Featured Product

4 Publications



Basic Information

Catalog Number: 66271-1-Ig	GenBank Accession Number: BC002956	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 8192	CloneNo.: 2E1D9
Source: Mouse	Full Name: ClpP caseinolytic peptidase, ATP-dependent, proteolytic subunit homolog (E. coli)	Recommended Dilutions: WB 1:500-1:2000 IHC 1:100-1:400
Isotype: IgG3	Calculated MW: 30 kDa	
Immunogen Catalog Number: AG8420	Observed MW: 26 kDa, 30 kDa	

Applications

Tested Applications:
IHC, WB, ELISA

Cited Applications:
IF, WB

Species Specificity:
human, pig

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 heart tissue, pig heart tissue

IHC : human heart tissue,

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
Jana Key	34943861	Cells	IF
GuiJun Wu	31304066	PeerJ	WB
Vincenzo Sorrentino	29211722	Nature	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

*** 20ul sizes contain 0.1% BSA

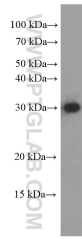
For technical support and original validation data for this product please contact:

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

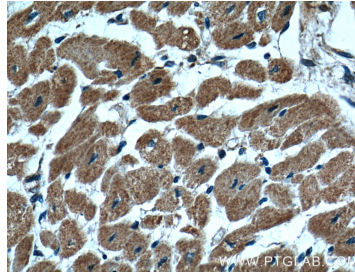
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



human heart tissue were subjected to SDS PAGE followed by western blot with 66271-1-Ig (CLPP Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 66271-1-Ig (CLPP Antibody) at dilution of 1:200 (under 40x lens).