

For Research Use Only

YME1L1 Polyclonal antibody

Catalog Number: 11510-1-AP

Featured Product

81 Publications



Basic Information

Catalog Number:

11510-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2069

GenBank Accession Number:

BC023507

GeneID (NCBI):

10730

UNIPROT ID:

Q96TA2

Full Name:

YME1-like 1 (S. cerevisiae)

Calculated MW:

716 aa, 80 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat, monkey

Positive Controls:

WB : COLO 320 cells, HeLa cells, MCF-7 cells

IP : HeLa cells,

IF/ICC : HepG2 cells,

Background Information

YME1L1(ATP-dependent zinc metalloprotease) is also named as FTSH1, YME1L, Meg-4, PAMP. YME1L1 plays a phylogenetically conserved role in mitochondrial protein metabolism. It also ensures cell proliferation, maintains normal cristae morphology and complex I respiration activity, promotes antiapoptotic activity and protects mitochondria from the accumulation of oxidatively damaged membrane proteins. YME1L1 can prevent mitochondrial DNA inserting into nuclear. It has 3 isoforms produced by alternative splicing with the molecular weight of 86 kDa, 80 kDa and 76 kDa. This protein can migrate with a molecular weight of about 55-63 kDa, which is the size of the mature YME1L1 protein(PMID:22252130; 22354088).

Notable Publications

Author	Pubmed ID	Journal	Application
Olga Zurita Rendón	30061372	Mol Cell Biol	
Ana A Baburamani	26393574	Int J Mol Sci	WB
Barbara M Crisol	31494696	Eur J Nutr	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

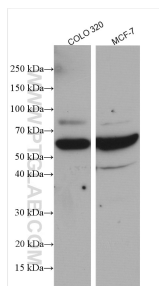
For technical support and original validation data for this product please contact:

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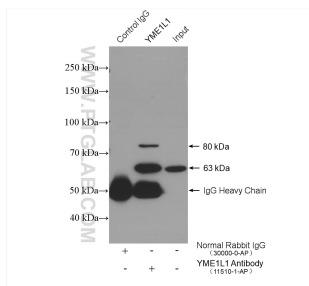
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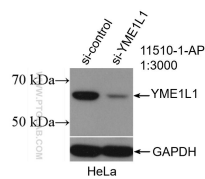
Selected Validation Data



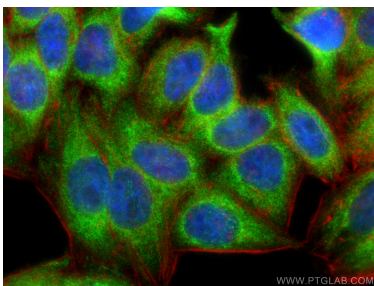
Various lysates were subjected to SDS PAGE followed by western blot with 11510-1-AP (YME1L1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP result of anti-YME1L1 (IP:11510-1-AP, 4ug; Detection:11510-1-AP 1:500) with HeLa cells lysate 1280 ug.



WB result of YME1L1 antibody (11510-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YME1L1 transfected HeLa cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using YME1L1 antibody (11510-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).