

For Research Use Only

YME1L1 Polyclonal antibody

Catalog Number: 27856-1-AP



Basic Information

Catalog Number: 27856-1-AP	GenBank Accession Number: BC023507	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 450 ug/ml by Nanodrop;	GeneID (NCBI): 10730	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	UNIPROT ID: Q96TA2	IHC 1:50-1:500
Isotype: IgG	Full Name: YME1-like 1 (S. cerevisiae)	IF/ICC 1:50-1:500
Immunogen Catalog Number: AG27280	Calculated MW: 716 aa, 80 kDa	
	Observed MW: 63 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: Human, mouse	WB : HeLa cells, Jurkat cells, MCF-7 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse liver tissue,
	IF/ICC : HeLa 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).

Storage

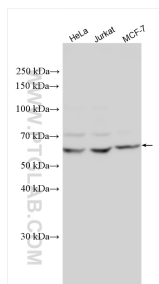
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

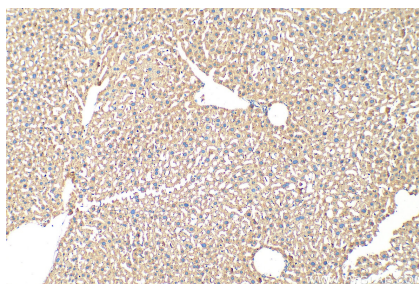
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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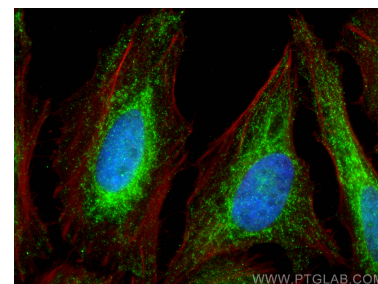
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27856-1-AP (YME1L1 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 27856-1-AP (YME1L1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using YME1L1 antibody (27856-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).