

YME1L1 Polyclonal Antibody

Catalog number: 11510-1-AP

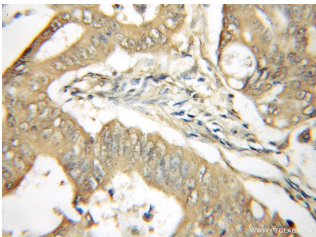
Size: 30 µg/150 µl

Source: Rabbit

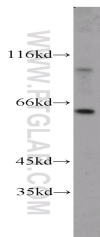
Isotype: IgG

Synonyms:

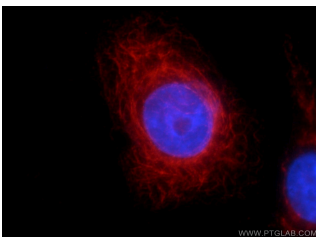
YME1L1; FTSH, FTSH1, Meg 4, MEG4, PAMP, YME1 like 1 (*S. cerevisiae*), YME1 like protein 1, YME1L, YME1L1



Immunohistochemical of paraffin-embedded human colon cancer using 11510-1-AP(YME1L1 antibody) at dilution of 1:50 (under 10x lens)



mouse heart tissue were subjected to SDS PAGE followed by western blot with 11510-1-AP(YME1L1 antibody) at dilution of 1:300



Immunofluorescent analysis of HepG2 cells using 11510-1-AP(YME1L1 Antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG

Background

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. 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 55-60 kDa, which is the size of the mature YME1L1 protein(PMID:22252130; 22354088).

Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IF, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Cited species:	Human
Calculated YME1L1 MW:	716aa, 80kd
Observed YME1L1 MW:	86kd
Positive WB detected in	Mouse heart tissue
Positive IHC detected in	Human colon cancer tissue
Positive IF detected in	HepG2 cells
Recommended dilution:	WB: 1:200-1:2000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2069
GenBank accession number:	BC023507
Gene ID (NCBI):	10730
Full name:	YME1-like 1 (<i>S. cerevisiae</i>)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.