

For Research Use Only

YME1L1 Monoclonal antibody, PBS Only



Catalog Number: 66551-1-PBS

Featured Product

Basic Information

Catalog Number:

66551-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

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:

Protein G purification

CloneNo.:

2B7E4

Applications

Tested Applications:

WB, Indirect ELISA, IHC

Species Specificity:

Human, Rat, mouse

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

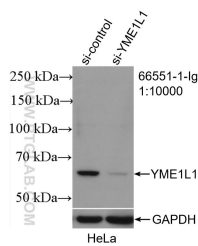
T: 4006900926

E: Proteintech-CN@ptglab.com

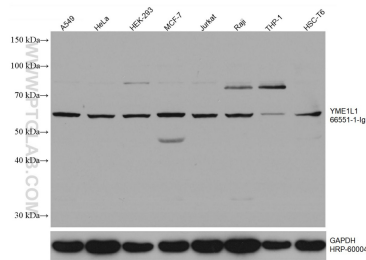
W: ptgcn.com

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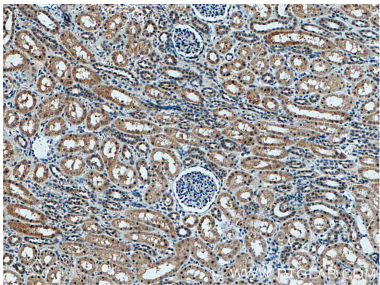
Selected Validation Data



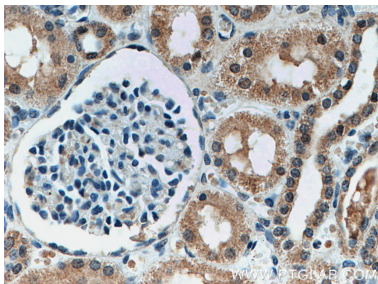
WB result of YME1L1 antibody (66551-1-Ig; 1:10000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YME1L1 transfected HeLa cells. This data was developed using the same antibody clone with 66551-1-PBS in a different storage buffer formulation.



Various lysates were subjected to SDS PAGE followed by western blot with 66551-1-Ig (YME1L1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 66551-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66551-1-Ig (YME1L1 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66551-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 66551-1-Ig (YME1L1 antibody) at dilution of 1:300 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66551-1-PBS in a different storage buffer formulation.