

YME1L1 polyclonal antibody

Catalog: BS31368

Host: Rabbit

Reactivity: Human

BackGround:

ATP-dependent zinc metalloprotease YME1L1: ATP-dependent metalloprotease that catalyzes the degradation of folded and unfolded proteins with a suitable degron sequence in the mitochondrial intermembrane region. Plays an important role in regulating mitochondrial morphology and function by cleaving OPA1 at position S2, giving rise to a form of OPA1 that promotes maintenance of normal mitochondrial structure and mitochondrial protein metabolism. 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. Required to control the accumulation of nonassembled respiratory chain subunits (NDUFB6, OX4 and ND1). Involved in the mitochondrial adaptation in response to various signals, such as stress or developmental cues, by mediating degradation of mitochondrial proteins t...

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~86.5 kDa

Swiss-Prot:

Q96TA2

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/2000)

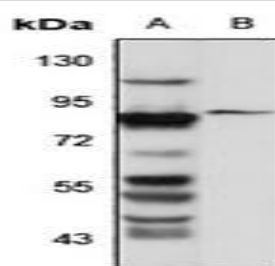
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of YME1L1 protein

DATA:



Western blot analysis of Gamma-enolase expression in HeLa (A), Jurkat (B), 293T (C) whole cell lysates.

Immunohistochemical analysis of Gamma-enolase staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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