abcam

Product datasheet

Anti-LONP1/Lon antibody ab103809

2 Abreviews 24 References 4 图像

概述

产品名称	Anti-LONP1/Lon抗体
描述	兔多克隆抗体to LONP1/Lon
宿主	Rabbit
经测试应用	**适用于:** WB
种属反应性	**与反应:** Mouse, Human
免疫原	Recombinant full length protein corresponding to Human LONP1/Lon aa 1-959.
阳性对照	Human kidney, Mouse kidney, HepG2, transfected 293T cell line
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	pH: 7.4 Constituent: PBS
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee	Abpromise™承诺保证使用ab103809于以下的经测试应用

"应用说明"部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (2)	Use a concentration of 1 - 5 µg/ml. Predicted molecular weight: 106 kDa.

靶标

功能 ATP-dependent serine protease that mediates the selective degradation of misfolded, unassembled or oxidatively damaged polypeptides as well as certain short-lived regulatory proteins in the mitochondrial matrix. May also have a chaperone function in the assembly of inner membrane protein complexes. Participates in the regulation of mitochondrial gene expression and in the maintenance of the integrity of the mitochondrial genome. Binds to mitochondrial promoters and RNA in a single-stranded, site-specific, and strand-specific manner. May regulate mitochondrial DNA replication and/or gene expression using site-specific, single-stranded DNA binding to target the degradation of regulatory proteins binding to adjacent sites in mitochondrial promoters. Endogenous substrates include mitochondrial steroidogenic acute regulatory (StAR) protein.

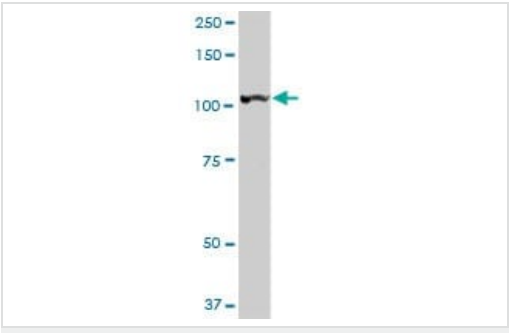
组织特异性 Duodenum, heart, lung and liver, but not thymus.

疾病相关 CODAS syndrome

序列相似性 Belongs to the peptidase S16 family.
Contains 1 Lon domain.

细胞定位 Mitochondrion matrix.

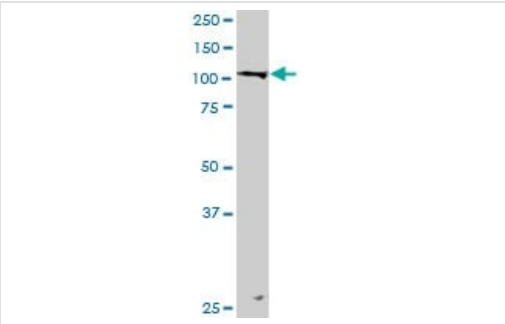
图片



Western blot - Anti-LONP1/Lon antibody (ab103809)

Anti-LONP1/Lon antibody (ab103809) at 5 µg/ml + Human kidney tissue lysate at 50 µg

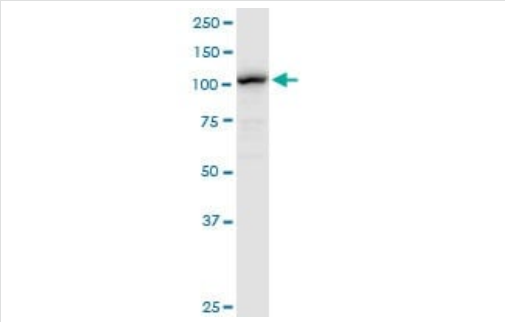
Predicted band size: 106 kDa



Western blot - Anti-LONP1/Lon antibody (ab103809)

Anti-LONP1/Lon antibody (ab103809) at 5 µg/ml + Mouse kidney tissue lysate at 50 µg

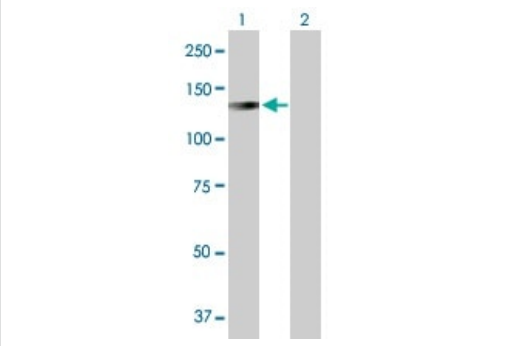
Predicted band size: 106 kDa



Western blot - Anti-LONP1/Lon antibody (ab103809)

Anti-LONP1/Lon antibody (ab103809) at 5 µg/ml + HepG2 cell lysate at 50 µg

Predicted band size: 106 kDa



Western blot - Anti-LONP1/Lon antibody (ab103809)

All lanes : Anti-LONP1/Lon antibody (ab103809) at 5 µg/ml

Lane 1 : LONP1 transfected 293T cell lysate
Lane 2 : Non-transfected 293T cell lysate

Lysates/proteins at 25 µg per lane.

Predicted band size: 106 kDa

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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