


Anti-Hsp47 antibody [134CT7.1.8] ab86750

敲除验证

★★★★★ 1 Abreviews 2 图像

概述

产品名称	Anti-Hsp47抗体[134CT7.1.8]
描述	小鼠单克隆抗体[134CT7.1.8] to Hsp47
宿主	Mouse
经测试应用	适用于: WB 不适用于: Flow Cyt (Intra)
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Rabbit, Chicken, Cow, Dog, Pig, Xenopus laevis, Orangutan 
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Wild-type HAP1, HeLa, and HepG2 cell lysates.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com.</p> <p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	IgG fraction
克隆	单克隆

克隆编号134CT7.1.8

同种型IgG1

应用

The Abpromise guarantee Abpromise™承诺保证使用ab86750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		Use a concentration of 5 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).

应用说明Is unsuitable for Flow Cyt (Intra).

靶标

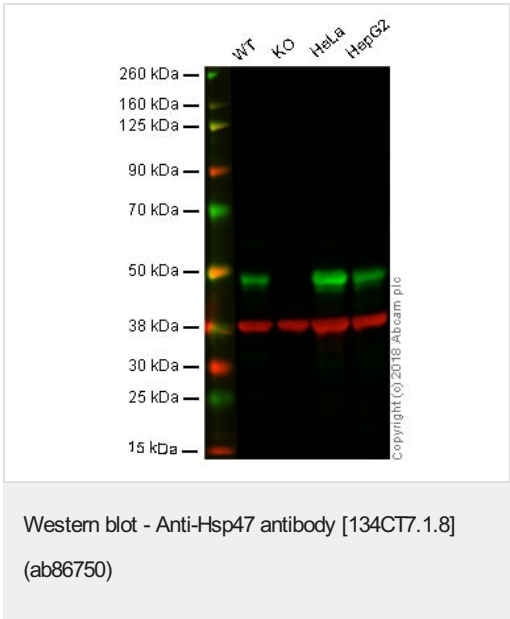
功能Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.

疾病相关Note=Defects in SERPINH1 may cause severe autosomal recessive osteogenesis imperfecta (OI). Osteogenesis imperfecta defines a group of connective tissue disorders characterized by bone fragility and low bone mass.

序列相似性Belongs to the serpin family.

细胞定位Endoplasmic reticulum lumen.

图片



Lane 1: Wild-type HAP1 whole cell lysate (20 µg)

Lane 2: Hsp47 knockout HAP1 whole cell lysate (20 µg)

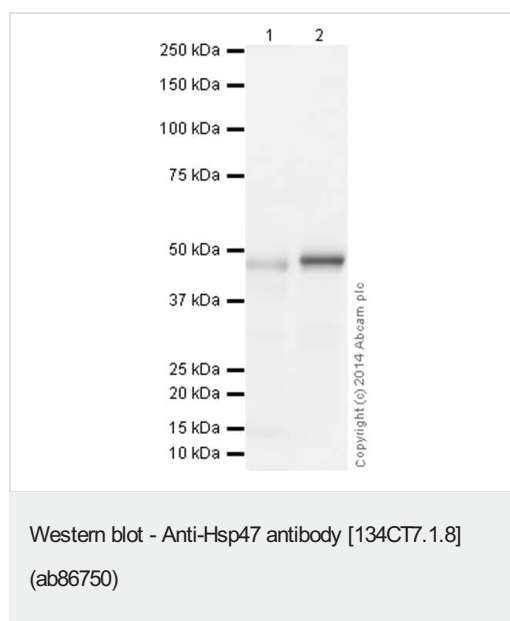
Lane 3: HeLa whole cell lysate (20 µg)

Lane 4: HepG2 whole cell lysate (20 µg)

Lanes 1 -4: Merged signal (red and green). Green - ab86750 observed at 46 kDa. Red - loading control, ab181602, observed at 37 kDa.

ab86750 was shown to recognize Hsp47 in wild-type HAP1 cells as signal was lost at the expected MW in Hsp47 knockout cells. Additional cross-reactive bands were observed in the wild-type and knockout cells. Wild-type and Hsp47 knockout samples were subjected to SDS-PAGE. ab86750 and ab181602 (Rabbit anti-GAPDH loading control) were incubated overnight at 4°C at 5 µg/ml and 1/20000 dilution respectively. Blots were developed with Goat anti-Mouse IgG H&L (IRDye® 800CW) preabsorbed ab216772 and Goat anti-Rabbit IgG H&L (IRDye® 680RD) preabsorbed

ab216777 secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



All lanes : Anti-Hsp47 antibody [134CT7.1.8] (ab86750) at 5 µg/ml

Lane 1 : Human placenta tissue lysate - total protein (**ab29745**)

Lane 2 : NIH 3T3 (Mouse embryonic fibroblast cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Mouse IgG H&L (HRP) preadsorbed (**ab97040**) at 1/10000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 47 kDa

Observed band size: 47 kDa

Exposure time: 4 minutes

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

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