abcam

Product datasheet

Anti-Hsp47 antibody [134CT7.1.8] ab86750

`KO` `評価済`

★☆☆☆☆ **1 Abreviews**   **画像数** 2

製品の概要

製品名	Anti-Hsp47 antibody [134CT7.1.8]
製品の詳細	Mouse monoclonal [134CT7.1.8] to Hsp47
由来種	Mouse
アプリケーション	**適用あり:** WB **適用なし:** Flow Cyt (Intra)
種交差性	**交差種:** Mouse, Human **交差が予測される動物種:** Rat, Rabbit, Chicken, Cow, Dog, Pig, Xenopus laevis, Orangutan ⚠
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Wild-type HAP1, HeLa, and HepG2 cell lysates.
特記事項	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. 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

製品の特性

製品の状態	Liquid
保存方法	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.
バッファー	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
精製度	IgG fraction

ポリ/モノ	モノクローナル
クローン名	134CT7.1.8
アイソタイプ	IgG1

アプリケーション

The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab86750の使用に適用されます

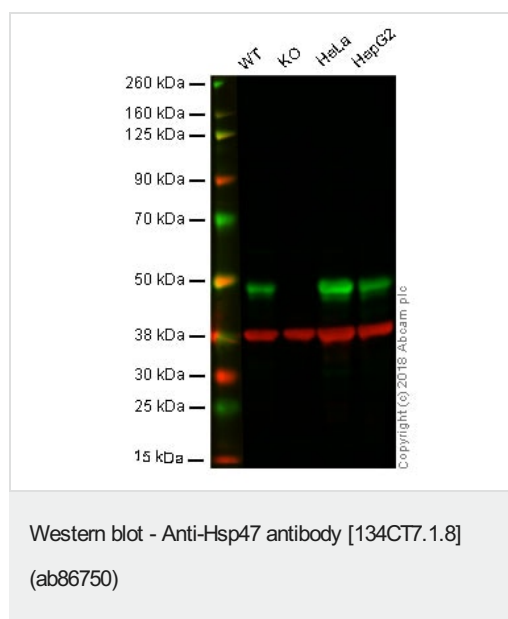アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use a concentration of 5 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 47 kDa).

追加情報	Is unsuitable for Flow Cyt (Intra).

ターゲット情報

機能	Binds specifically to collagen. Could be involved as a chaperone in the biosynthetic pathway of collagen.
関連疾患	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.
配列類似性	Belongs to the serpin family.
細胞内局在	Endoplasmic reticulum lumen.

画像

Western blot - Anti-Hsp47 antibody [134CT7.1.8] (ab86750)

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

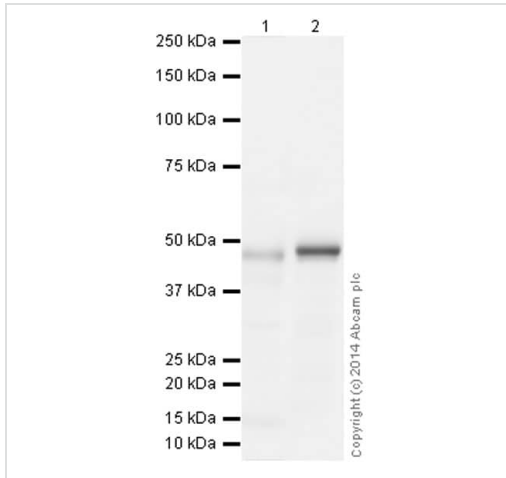**Lane 2:** Hsp47 knockout HAP1 whole cell lysate (20 µg)

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.

Western blot - Anti-Hsp47 antibody [134CT7.1.8] (ab86750)

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

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