


Anti-Hsp70 antibody ab31010

★★★★★ [2 Abreviews](#) [13 References](#) [4 图像](#)

概述

产品名称	Anti-Hsp70抗体
描述	兔多克隆抗体to Hsp70
宿主	Rabbit
经测试应用	适用于: IHC-P, IP, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Dog, Pig 
免疫原	Synthetic peptide within Human Hsp70 aa 550 to the C-terminus. The exact sequence is proprietary. Database link: P0DMV8
阳性对照	Hela cells. Breast cancer.
常规说明	<p>This product is FOR RESEARCH USE ONLY. For commercial use, please contact partnerships@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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7.60 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
纯度	Immunogen affinity purified
纯化说明	ab31010 is an affinity purified IgG.
克隆	多克隆

同种型

IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用 ab31010 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
IHC-P		
IP		
WB	★★★★★ (1)	

应用说明

IHC-P: 1/100 for 30 min at RT. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. In particular, boil tissue sections in 10mM citrate buffer, pH 6.0 for 10 min and then cool at RT for 20 min.

WB: Use at an assay dependent dilution. Predicted molecular weight: 70 kDa.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

靶标

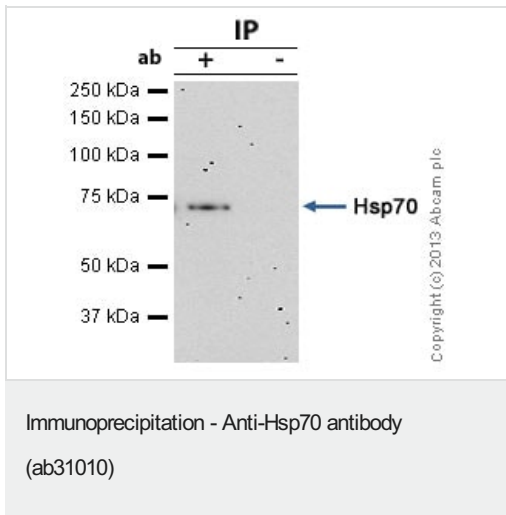
相关性

Function: In cooperation with other chaperones, the Hsp70 family stabilize preexistent proteins against aggregation and mediate the folding of newly translated polypeptides in the cytosol as well as within organelles. These chaperones participate in all these processes through their ability to recognize nonnative conformations of other proteins. They bind extended peptide segments with a net hydrophobic character exposed by polypeptides during translation and membrane translocation, or following stress-induced damage. In case of rotavirus A infection, serves as a post-attachment receptor for the virus to facilitate entry into the cell. Tissue specificity: HSPA1B is testis-specific.

细胞定位

Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

图片



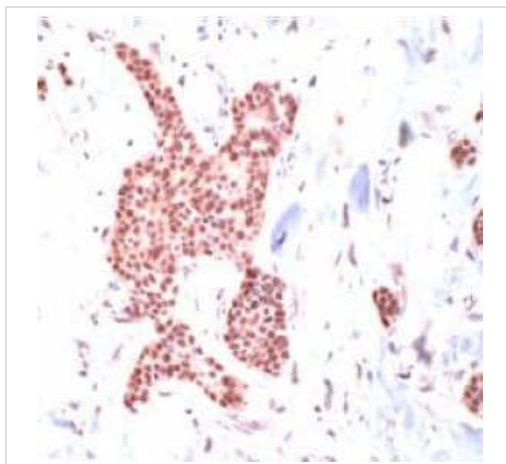
Hsp70 was immunoprecipitated using 0.5mg Hela whole cell extract, 5µg of Rabbit polyclonal to Hsp70 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-).

The antibody was incubated under agitation with Protein G beads for 10min, Hela whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab31010.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to Rabbit IgG light chain (HRP) ([ab99697](#)).

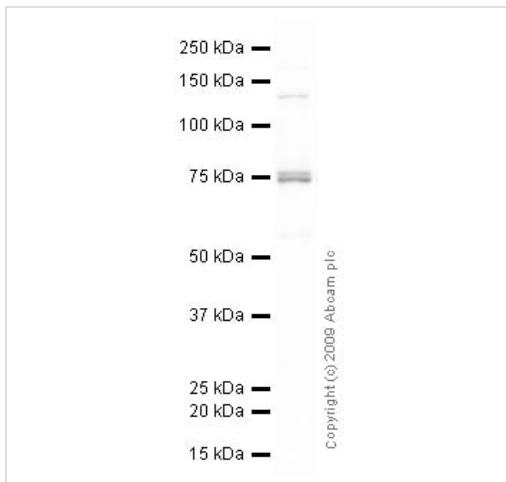
Band: 70kDa; Hsp70



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp70 antibody (ab31010)

Tissue: Human breast cancer (formalin fixed/paraffin).

Staining: ab31010 at 1/100 dilution for 30 minutes at room temperature.



Western blot - Anti-Hsp70 antibody (ab31010)

Anti-Hsp70 antibody (ab31010) at 1 µg/ml + HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

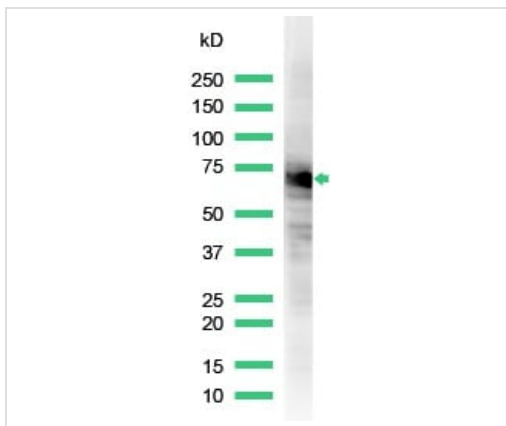
Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 70 kDa

Observed band size: 72 kDa

Additional bands at: 76 kDa (possible post-translational modification)



Western blot - Anti-Hsp70 antibody (ab31010)

Anti-Hsp70 antibody (ab31010) at 1/25 dilution + 293 cell lysate

Predicted band size: 70 kDa

Observed band size: 70 kDa

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