




Anti-Hsp70 antibody [C92F3A-5] ab47455

★★★★★ [3 Abreviews](#) [40 References](#) [画像数 5](#)

製品の概要

製品名	Anti-Hsp70 antibody [C92F3A-5]
製品の詳細	Mouse monoclonal [C92F3A-5] to Hsp70
由来種	Mouse
特異性	Detects a 70kDa protein corresponding to the molecular mass of Hsp70 of SDS PAGE immunoblots. There is no cross-reactivity to Hsc70 (Hsp73).
アプリケーション	適用あり: WB, Flow Cyt, IHC-P
種交差性	交差種: Mouse, Rat, Human 交差が予測される動物種: Cow, Dog, Pig, Caenorhabditis elegans, Macaque monkey, Bos mutus grunniens, Saguinus oedipus, Onchocerca volvulus, Oncorhynchus tshawytscha 
免疫原	Recombinant fragment corresponding to Human Hsp70 aa 436-503. Sequence: YSDNQPGVLIQVYEGERAMTKDNNLLGRFELSGIPPAPRGVP QIEVTFDI DANGILNVTATDKSTGKANKITI Database link: P08107 <div>  Run BLAST with  Run BLAST with </div>
エピトープ	The mapped epitope is in the region of amino acid residues 436-503.
ポジティブ・コントロール	WB: HeLa, A431, A549, HCT116, HEK293, HepG2, HL-60, HUVEC, Jurkat, MCF7, PC3, T98G cell lysates; Rat Brain tumour lysate; Rat bone lysate. IHC-P: Mouse colon cancer tissue; human colon cancer tissue. Flow cyt: Heat Shocked CD3+ CD8+ T cells
特記事項	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. Avoid freeze / thaw cycle.
バッファー	Preservative: 0.1% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
精製度	Protein G purified
ポリ/モノ	モノクローナル
クローン名	C92F3A-5
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ab47455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。

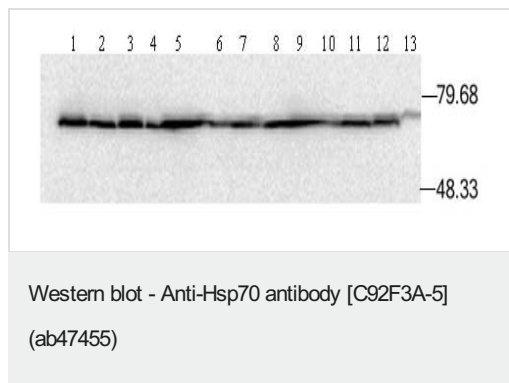
アプリケーション	Abreviews	特記事項
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 70 kDa.
Flow Cyt		1/1000. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IHC-P		1/10000.

ターゲット情報

関連性 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.

細胞内局在 Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

画像



All lanes : Anti-Hsp70 antibody [C92F3A-5] (ab47455) at 1 µg/ml

Lane 1 : Cell lysate prepared from human A431 cell line

Lane 2 : Cell lysate prepared from human A549 cell line

Lane 3 : Cell lysate prepared from human HCT116 cells line

Lane 4 : Cell lysate prepared from human Hela cell line

Lane 5 : Cell lysate prepared from human HEK293 cell line

Lane 6 : Cell lysate prepared from human HepG2 cell line

Lane 7 : Cell lysate prepared from human HL-60 cell line

Lane 8 : Cell lysate prepared from human HUVEC cell line

Lane 9 : Cell lysate prepared from human Jurkat cell line

Lane 10 : Cell lysate prepared from human MCF7 cell line

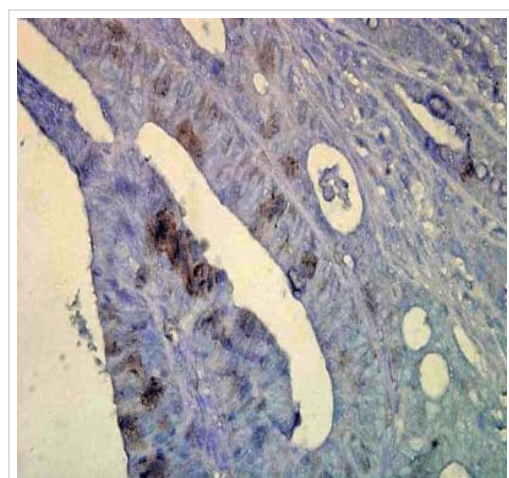
Lane 11 : Cell lysate prepared from human PC3 cell line

Lane 12 : Cell lysate prepared from human T98G cell line

Lane 13 : Rat brain tissue lysates

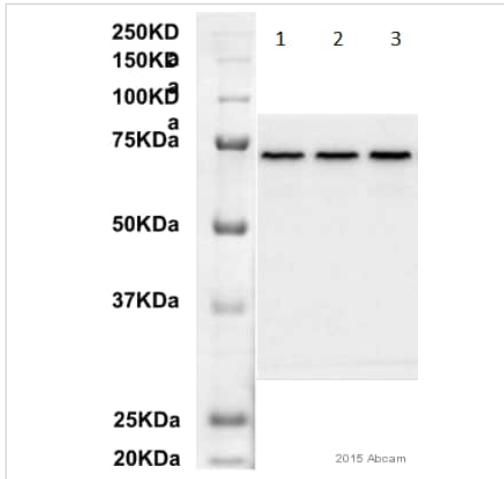
Predicted band size: 70 kDa

All are cancer cell lines.



Formalin-fixed, paraffin-embedded human colon carcinoma tissue stained for Hsp70 using ab47455 at 1/1000 dilution in immunohistochemical analysis. Counter stained with hematoxylin.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp70 antibody [C92F3A-5] (ab47455)



Western blot - Anti-Hsp70 antibody [C92F3A-5] (ab47455)

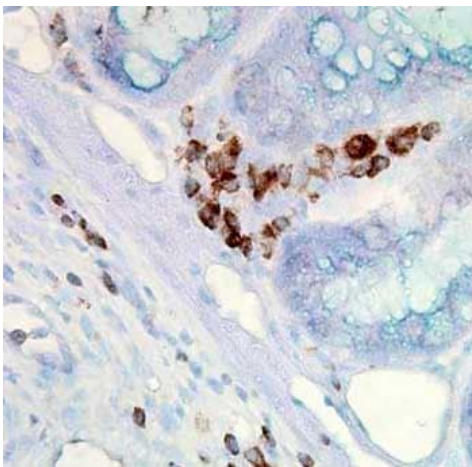
Image courtesy of an anonymous AbReview

All lanes : Anti-Hsp70 antibody [C92F3A-5] (ab47455) at 1/500 dilution

All lanes : Rat bone (tibia) whole cell lysate

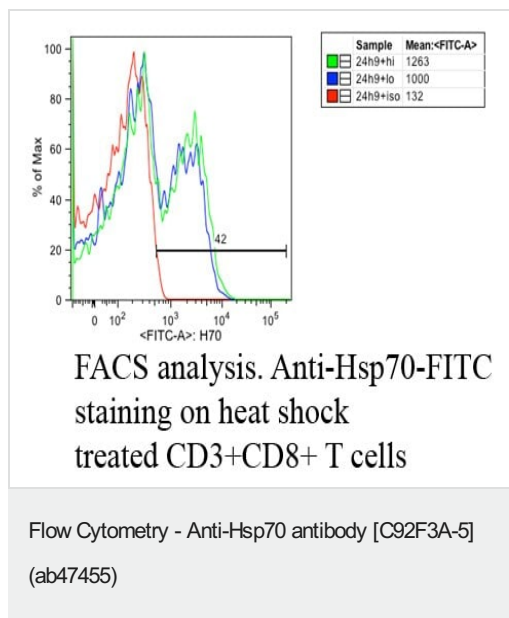
Lysates/proteins at 50 µg per lane.

Predicted band size: 70 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp70 antibody [C92F3A-5] (ab47455)

ab47455 staining Hsp70 in mouse colon cancer tissue section by Immunohistochemistry (Bouin's fixed paraffin embedded tissue sections). The primary antibody was diluted at 1/100,000. A Fluorophore conjugated goat anti mouse was used as secondary. An antibody amplifier™ system was used for staining.



FACS analysis using ab47455 staining heat shock treated CD3 + CD8 + T cells.

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