


Anti-HSPA1L antibody ab154409

[5 References](#) [3 Images](#)

Overview

Product name	Anti-HSPA1L antibody
Description	Rabbit polyclonal to HSPA1L
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Pig, Xenopus tropicalis 
Immunogen	Recombinant fragment corresponding to a region within amino acids 11-278 of Human HSPA1L (Uniprot ID P34931).
Positive control	Recombinant Human HSPA1L protein (ab114801) can be used as a positive control in WB. 293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji cell lysates; A540 cells; Human H661 xenograft tissue.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 1.21% Tris, 0.75% Glycine, 10% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab154409 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 70 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Antigen retrieval also possible using Tris-EDTA buffer (pH8.0).
ICC/IF		1/100 - 1/1000.

Target

Function

In cooperation with other chaperones, Hsp70s 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.

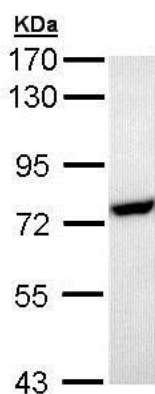
Tissue specificity

Expressed in spermatids.

Sequence similarities

Belongs to the heat shock protein 70 family.

Images

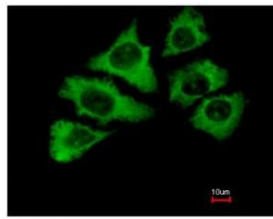


Anti-HSPA1L antibody (ab154409) at 1/1000 dilution + MOLT4 whole cell lysate at 30 µg

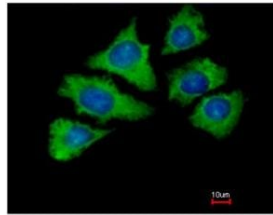
Predicted band size: 70 kDa

7.5% SDS PAGE

Western blot - Anti-HSPA1L antibody (ab154409)

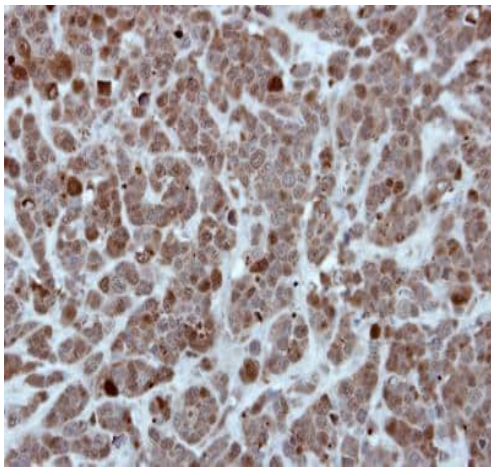


Costained with Hoechst 33342



Immunocytochemistry/ Immunofluorescence - Anti-HSPA1L antibody (ab154409)

Immunofluorescence analysis of methanol-fixed A549 cells, labeling HSPA1L using ab154409 at a 1/500 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HSPA1L antibody (ab154409)

Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human H661 xenograft tissue, labeling HSPA1L using ab154409 at a 1/500 dilution.

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

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