

Product datasheet

Anti-Hsp70 antibody ab69412

2 References 1 Image

Overview

Product name	Anti-Hsp70 antibody
Description	Rabbit polyclonal to Hsp70
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Sheep, Rabbit, Chicken, Guinea pig, Hamster, Cow, Dog, Human, Pig, Drosophila melanogaster, Fish, Monkey
Immunogen	Synthetic peptide derived from the sequence of rat Hsp70
Positive control	Heat shocked 3T3 cell lysate
General notes	Concentration: See product label

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium Azide Constituents: 50% Glycerol, PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab69412** 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
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WB

Application notes	WB: Use at a concentration of 1 ug/ml. Detects a band of approximately 71 kDa (predicted molecular weight: 71 kDa).
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Not yet tested in other applications.

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

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. 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.

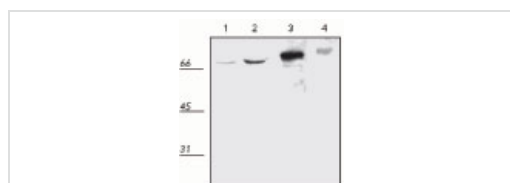
Sequence similarities

Belongs to the heat shock protein 70 family.

Cellular localization

Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

Images



Western blot - Hsp70 + Hsc70 antibody (ab69412)

All lanes : Anti-Hsp70 antibody (ab69412) at 1 µg/ml

Lane 1 : Mouse 3T3 cell lysate

Lane 2 : Heat shocked 3T3 cell lysate

Lane 3 : Purified Hsp70 protein

Lane 4 : Purified Hsc70 protein

Developed using the ECL technique.

Predicted band size: 71 kDa

Observed band size: 71 kDa

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