

Product datasheet

Anti-Hsp70 antibody ab69412

2 References 1 Image

Overview

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

Properties

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

<b>Application notes</b>	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

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### 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.

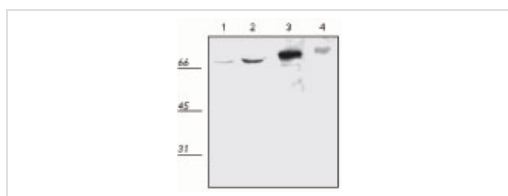
### Cellular localization

Cytoplasm. Localized in cytoplasmic mRNP granules containing untranslated mRNAs.

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## Images

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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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