

## Product datasheet

# Anti-Hsp104 antibody ab2924

## 8 References

### Overview

<b>Product name</b>	Anti-Hsp104 antibody
<b>Description</b>	Rabbit polyclonal to Hsp104
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> <i>Saccharomyces cerevisiae</i> <b>Does not react with:</b> <i>Drosophila melanogaster</i> , Plants, <i>Escherichia coli</i>
<b>Immunogen</b>	Synthetic peptide corresponding to <i>Saccharomyces cerevisiae</i> Hsp104 aa 894-908 (C terminal). Sequence: DDDNEDSMEIDDDL

 [Run BLAST with](#)

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### General notes

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

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide
<b>Purity</b>	Whole antiserum
<b>Primary antibody notes</b>	Heat Shock Proteins (HSP) are expressed in response to various biological stresses, including high temperatures. There are several major families of HSPs including HSP 70, HSP 90 and HSP 100. The HSP 100 proteins generally have amino acid sequences of about 900 residues and contain two nucleotide-binding sites. Within the HSP 100 family of proteins, yeast express an ~104 kDa form which is necessary to protect cells from various stress conditions such as heat, heavy metals and ethanol, though mutation studies have shown that the protein is not required for

normal growth. Yeast HSP 104 has been shown to be a ClpB protein with significant sequence homology to E. coli ClpB, particularly in the two nucleotide-binding sites.

<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab2924 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		1/5000. Detects a band of approximately 100-105 kDa.

## Target

**Relevance** Hsp104 is a molecular chaperone required for stress tolerance and for maintenance of [psi(+)] prions in the budding yeast *Saccharomyces cerevisiae*. Hsp104 is vital to protect yeast cells against high temperature and high concentration of ethanol. It is not required for normal growth.

**Cellular localization** Cytoplasmic and Nuclear

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

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