

Product datasheet

Anti-DnaK antibody [8E2/2] ab69617

★★★★★ [2 Abreviews](#) [34 References](#) [2 Images](#)

Overview

| | |
|----------------------------|---|
| Product name | Anti-DnaK antibody [8E2/2] |
| Description | Mouse monoclonal [8E2/2] to DnaK |
| Host species | Mouse |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Escherichia coli |
| Immunogen | Full length protein corresponding to Escherichia coli DnaK. |
| General notes | <p>This product was changed from ascites to tissue culture supernatant on 22nd May 2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <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 | Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS |
| Purity | Tissue culture supernatant |
| Purification notes | Purified from TCS. |
| Clonality | Monoclonal |
| Clone number | 8E2/2 |
| Isotype | IgG1 |

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab69617 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 | ★★★★★ (2) | Use at an assay dependent concentration. Detects a band of approximately 70 kDa (predicted molecular weight: 70 kDa). |

Target

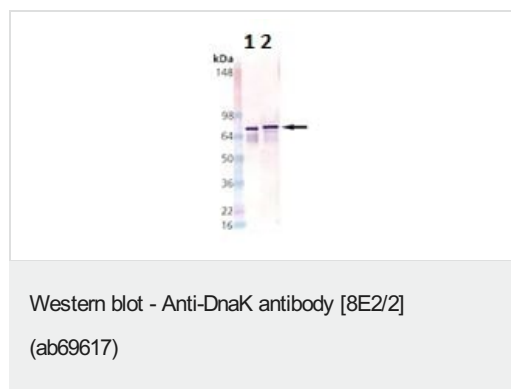
Relevance

DnaK is the prokaryotic analogue of eukaryotic Hsp70. Heat shock proteins applies to a group of proteins that assist in the assembly, folding, and translocation of other proteins. In addition, they protect the cell against heat injury or other forms of stress. All cells, prokaryotic and eukaryotic, are able to respond to different cellular stresses by synthesizing these proteins. Heat shock proteins are highly conserved, ubiquitously distributed, and involved in important aspects of viral and bacterial infections, autoimmune diseases, and in cancer immunity. Two families of molecular chaperones have been identified. The members of the Hsp70 family (DnaK/DnaJ/GrpE) bind to the growing polypeptide chain and prevent its premature folding. The chaperonin family (GroEL and GroES) assists in correct folding when the complete polypeptide chain is formed and is transported into the cytosol or mitochondria. All the major heat shock proteins help to suppress irreversible unfolding reactions. These protein folding 'assistants' may have important functions in amyloid diseases where incorrectly folded proteins accumulate as folded aggregates.

Cellular localization

Cytoplasm. Cell inner membrane; Peripheral membrane protein.

Images



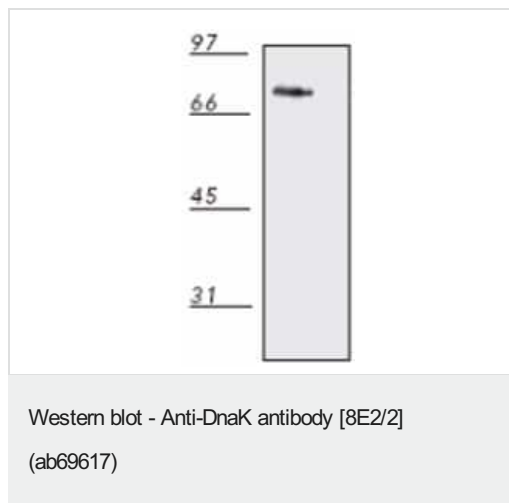
All lanes :

Lane 1 : DnaK active recombinant protein

Lane 2 : E.coli cell lysate.

Predicted band size: 70 kDa

This image was generated using the ascites version of the product.



Anti-DnaK antibody [8E2/2] (ab69617) at 0.1 µg/ml + E.Coli DnaK protein

Predicted band size: 70 kDa

Observed band size: 70 kDa

This image was generated using the ascites version of the product.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors