

Anti-DnaK antibody ab80161

[3 References](#) [1 图像](#)

概述

产品名称	Anti-DnaK抗体
描述	兔多克隆抗体to DnaK
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Chlamydomonas reinhardtii
免疫原	Recombinant full length DnaK of Chlamydomonas reinhardtii
阳性对照	WB: Arabidopsis thaliana leaf extract.
常规说明	<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>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Constituent: Whole serum
纯度	Whole antiserum
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™** 承诺保证使用ab80161于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/5000. Detects a band of approximately 70 kDa.

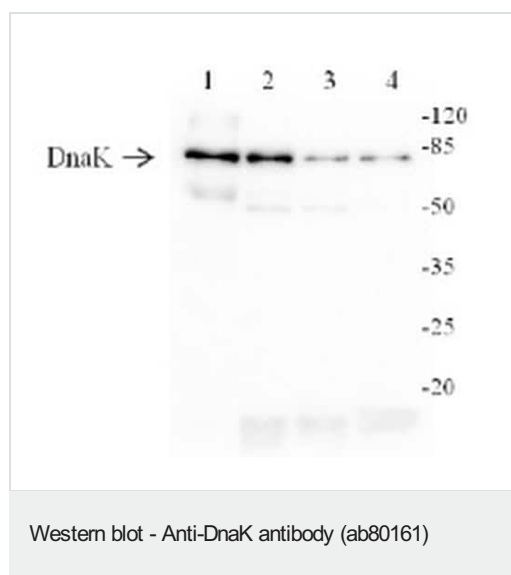
靶标

相关性

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.

细胞定位 Cytoplasm. Cell inner membrane; Peripheral membrane protein.

图片



Lane 1. 15 µg of Arabidopsis thaliana leaf extract.

Lane 2. 10 µg of total protein from: Synechocystis 6803 motile.

Lane 3. Synechocystis 6803 GT (glucose tolerant strain).

Lane 4. Synechococcus elongates 7942.

Marker – Pierce™ Pre-stained Protein MW Marker (kat #26612)

Total protein was extracted with following buffer: 10 mM Tris HCl, pH 8.0, 0.5% LDS, 4% glycerol, 0.1 mM EDTA were mixed with sample buffer and denatured for 5 min at 95°C. Samples were separated on 10% SDS -PAGE and blotted for 1h to nitrocellulose membrane (Amersham Protran) using tank wet transfer (Bio-Rad) in standard transfer buffer in the presence of 20% methanol. Transfer of proteins to the membrane was checked using 0.5% Ponceau S staining before the blocking step. Blots were blocked in buffer (2% low-fat milk in 1xPBS, 0.1% Tween) for 1 h at room temperature (RT) with agitation. Blots were incubated with the primary antibody (ab80161) at a dilution of 1/5000 for 1h at RT with agitation. The antibody solution was decanted and the blot was rinsed briefly twice, then washed once for 15 min and 3 times for 5 min in PBS-T at RT with agitation. The blot was incubated in secondary antibody goat anti-rabbit IgG, diluted to 1/30000 for 1h at RT with agitation. The blot was washed as above and developed for 5 min with Clarity

Western ECL Substrate and ChemiDoc detection system (Bio-Rad).

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

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