

Mouse anti-E Coli DnaK Monoclonal Antibody

DnaK

CATALOG # AAA14655	HOST Mouse	REACTIVITY E Coli	APPLICATIONS ELISA, Western Blot
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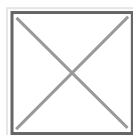
PRODUCT SYNONYMS

DnaK; Monoclonal Antibody; Anti -DnaK; anti-DnaK antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	E Coli
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4E66
Specificity	Recognizes E. coli DnaK.
Purity/Purification	Affinity Purified Purified by Protein G affinity chromatography.
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide, 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-DnaK antibody	ELISA, WB (Western Blot)
Application Notes	Western Blot: 1:10,000. Detects a band at ~70kD. Optimal dilutions to be determined by researcher. Positive control: DnaK, Recombinant, E.coli
Immunogen	E. coli DnaK
Preparation and Storage	May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

IMAGES



WB (Western Blot)

Western Blot Analysis using AAA14655: Lane 1: MW Marker; Lane 2: DnaK active recombinant protein, Lane 3: E. coli cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-DnaK antibody	DnaK possesses an autophosphorylation activity and a weak 5'-nucleotidase activity, cleaving the 5'-phosphate groups from both ribose- and deoxyribose nucleotides. Genetic and biochemical studies have demonstrated protein-protein interactions between the DnaK protein and the lambdaO and lambdaP DNA replicating proteins. DnaK has also been shown to interact with DnaJ and GrpE heat shock proteins. In addition, DnaK has been demonstrated to preferentially bind to the unfolded form of bovine pancreatic trypsin inhibitor as opposed to the native protein. The role of DnaK in ATP-dependent protein-protein interactions has been extended to normal E. coli physiology. Like eukaryotic Hsp70 homologs, it is thought to participate in the assembly/disassembly of protein complexes, essentially as first proposed by Hightower and Pelham.
Product Categories/Family for anti-DnaK antibody	Antibodies; Abs to Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	6746608
NCBI Official Full Name	DnaK

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/dnak-antibody-clone-4e66-western-blot-elisa/14655>