abcam

Product datasheet

Anti-LexA DNA Binding Region antibody ab50953

6 References 1 Image

Overview

Product name	Anti-LexA DNA Binding Region antibody
Description	Rabbit polyclonal to LexA DNA Binding Region
Host species	Rabbit
Specificity	This antibody recognizes E. coli LexA and LexA DBD-tagged fusion proteins.
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Escherichia coli
Immunogen	Recombinant full length protein corresponding to Escherichia coli LexA DNA Binding Region.
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

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.035% Sodium azide Constituents: Whole serum, 30% Glycerol
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab50953 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		1/25000 - 1/100000. Detects a band of approximately 130 kDa (predicted molecular weight: 49 kDa). 1/25000 - 1/100000. Detects a band of approximately 130 kDa (predicted molecular weight: 49 kDa). This product has been tested by Western blotting using a LexA-Rb fusion and a LexA-PP2A, beta subunit fusion expressed in budding yeast. The observed molecular weight of a fusion protein will be increased by approximately 24
IP		Use at 1-0.2 µg/mg of lysate.

Target

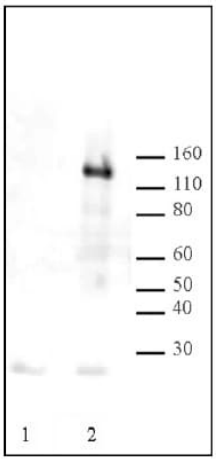
Relevance

The LexA protein of Escherichia coli is a transcriptional repressor regulating approximately 20 genes, many of which are involved in DNA repair (SOS response). It binds with variable affinity to single, double, or even triple-operators via its amino-terminal domain that contains three alpha-helices spanning residues. This characteristic of LexA protein has been used to make efficient baits for two-hybrid studies.

Cellular localization

Nuclear

Images



Western blot - Anti-LexA DNA Binding Region antibody (ab50953)

All lanes : Anti-LexA DNA Binding Region antibody (ab50953) at 1/100000 dilution

Lane 1 : Crude yeast protein extract without a LexA fusion protein
Lane 2 : Crude yeast protein extract expressing a LexA-Retinoblastoma (Rb) fusion protein

Lysates/proteins at 20 µg per lane.

Predicted band size: 49 kDa
Observed band size: 130 kDa

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