Product Name: LexA DNA Binding Region Rabbit Polyclonal Antibody
Catalog #: APRab00454

Summary

Production Name	LexA DNA Binding Region Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB
Reactivity	Cyanobacteria

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	lexA
Alternative Names	lexa dna binding region
Gene ID	948544.0
SwissProt ID	P0A7C2

Application

Dilution Ratio	WB: 1/500-1/1000
Molecular Weight	Refer to figures

Background

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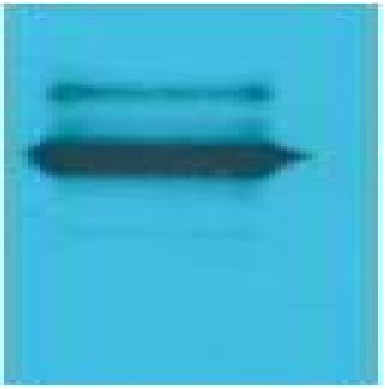
Represses a number of genes involved in the response to DNA damage (SOS response), including recA and lexA. Binds to the 16 bp palindromic sequence 5'-CTGTATATATATACAG-3'. In the presence of single-stranded DNA, RecA interacts with LexA causing an autocatalytic cleavage which disrupts the DNA-binding part of LexA, leading to derepression of the SOS regulon and eventually DNA repair. Implicated in hydroxy radical-mediated cell death induced by hydroxyurea treatment.

Research Area

Microbiology

Image Data



Western blot analysis of LexA DNA Binding Region in Recombinant LexA protein lysates using LexA DNA Binding Region antibody.

Note

For research use only.