abcam

Product datasheet

Anti-Pol V antibody ab91343

★★★★★ 1 Abreviews 2 References 1 Image

Overview

Product name	Anti-Pol V antibody
Description	Rabbit polyclonal to Pol V
Host species	Rabbit
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Escherichia coli
Immunogen	Fusion protein. This information is proprietary to Abcam and/or its suppliers.
Positive control	Protein extract from E. coli
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. Avoid freeze / thaw cycle.
Storage buffer	pH: 6 Preservative: 0.05% Sodium azide Constituent: Whole serum
Purity	Whole antiserum
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee	Our **Abpromise guarantee** covers the use of ab91343 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

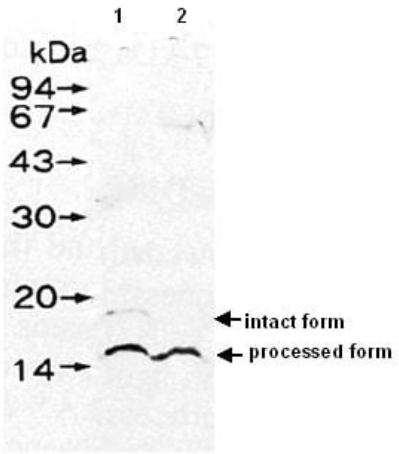
Application	Abreviews	Notes
WB	★★★★★ (1)	1/3000. Predicted molecular weight: 14 kDa. Predicted molecular weight: 14 kDa (processed form. Precursor form is 17 kDa).

Target

Relevance

UmuD is a DNA polymerase V subunit capable of translesion synthesis and inducible mutagenesis, by radiation or chemical agents. Transcription of umuD is repressed by a repressor, LexA protein in uninduced cells. The processed UmuD protein is the active form for mutagenesis and the UmuD-UmuC complex functions as a error-prone translesion DNA polymerase. The molecular weight of the intact UmuD is 17kD and the proteolytically processed active form is 14KD.

Images



Western blot - Anti-Pol V antibody (ab91343)

All lanes : Anti-Pol V antibody (ab91343) at 1/3000 dilution

Lane 1 : protein extracts from E. coli DE274 (lexA51, recA730)
Lane 2 : protein extract from E. coli DE274 (lexA51, recA730) treated with mitomycin C

Predicted band size: 14 kDa

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