


Product datasheet

Anti-WRNIP1/WHIP antibody ab4731

★★★★★ [1 Abreviews](#) [2 References](#) [1 Image](#)

Overview

Product name	Anti-WRNIP1/WHIP antibody
Description	Rabbit polyclonal to WRNIP1/WHIP
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
General notes	<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>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab4731 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)	

Application notes	<p>ELISA: 1/5000 - 1/20000.</p> <p>ICC/IF: Use at an assay dependent dilution (PMID 17888034).</p> <p>WB: 1/200. Detects a band of approximately 97 kDa (predicted molecular weight: 72 kDa).</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>
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Target	
Function	Functions as a modulator for initiation or reinitiation events during DNA polymerase delta-mediated DNA synthesis. Has an intrinsic ATPase activity that functions as a sensor of DNA damage or of arrested replication forks and regulates the extent of DNA synthesis.
Tissue specificity	Ubiquitously expressed.
Sequence similarities	Belongs to the AAA ATPase family. Contains 1 UBZ-type zinc finger.
Post-translational modifications	Sumoylated by SUMO1 and SUMO2/3.
Cellular localization	Nucleus. Colocalizes with WRN in granular structures in the nucleus.

Images



Western blot using ab4731 on HEK 293 lysate at 1/200.

~30µg of lysate was loaded per lane for 4-20% gradient SDS-PAGE. Comparison to a molecular weight marker (not shown) indicates a primary band of ~96.0 kDa is detected (indicated by an arrow). The identity of the minor band migrating at a slightly higher molecular weight is unknown, but may represent an alternate isoform of WRNIP1/WHIP or post translational modification of the WRNIP1/WHIP protein. The main band could be blocked using the immunising peptide.

Western blot using ab4731 on HEK 293 lysate at 1/200.

~30µg of lysate was loaded per lane for 4-20% gradient SDS-PAGE. Comparison to a molecular weight marker (not shown) indicates a primary band of ~96.0 kDa is detected (indicated by an arrow). The identity of the minor band migrating at a slightly higher molecular weight is unknown, but may represent an alternate isoform of WRNIP1/WHIP or post translational modification of the WRNIP1/WHIP .

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

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