

Anti-Werner's syndrome helicase WRN antibody ab17987

★★★★★ [2 Abreviews](#) [1 References](#) [画像数 2](#)

製品の概要

製品名	Anti-Werner's syndrome helicase WRN antibody
製品の詳細	Rabbit polyclonal to Werner's syndrome helicase WRN
由来種	Rabbit
アプリケーション	適用あり: IP, WB
種交差性	交差種: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: HeLa IP: HeLa
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7 Preservative: 0.1% Sodium azide Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris
精製度	Immunogen affinity purified
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

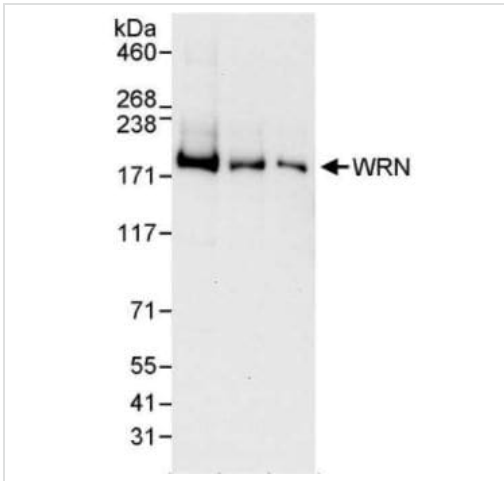
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab17987の使用に適用されず
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IP		Use at 2-5 µg/mg of lysate.
WB	★★★★★ (2)	1/5000 - 1/25000. Predicted molecular weight: 162 kDa.

ターゲット情報

機能	Multifunctional enzyme that has both magnesium and ATP-dependent DNA-helicase activity and 3'->5' exonuclease activity towards double-stranded DNA with a 5'-overhang. Has no nuclease activity towards single-stranded DNA or blunt-ended double-stranded DNA. Binds preferentially to DNA substrates containing alternate secondary structures, such as replication forks and Holliday junctions. May play an important role in the dissociation of joint DNA molecules that can arise as products of homologous recombination, at stalled replication forks or during DNA repair. Alleviates stalling of DNA polymerases at the site of DNA lesions. Important for genomic integrity. Plays a role in the formation of DNA replication focal centers; stably associates with foci elements generating binding sites for RP-A.
関連疾患	Defects in WRN are a cause of Werner syndrome (WRN) [MIM:277700]. WRN is a rare autosomal recessive progeroid syndrome characterized by the premature onset of multiple age-related disorders, including atherosclerosis, cancer, non-insulin-dependent diabetes mellitus, ocular cataracts and osteoporosis. The major cause of death, at a median age of 47, is myocardial infarction. Currently all known WS mutations produces prematurely terminated proteins. Defects in WRN may be a cause of colorectal cancer (CRC) [MIM:114500].
配列類似性	Belongs to the helicase family. RecQ subfamily. Contains 1 3'-5' exonuclease domain. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain. Contains 1 HRDC domain.
翻訳後修飾	Phosphorylated by PRKDC. Phosphorylated upon DNA damage, probably by ATM or ATR.
細胞内局在	Nucleus > nucleolus. Nucleus.

画像



Western blot - Anti-Werner's syndrome helicase WRN antibody (ab17987)

All lanes : Anti-Werner's syndrome helicase WRN antibody (ab17987) at 1/5000 dilution

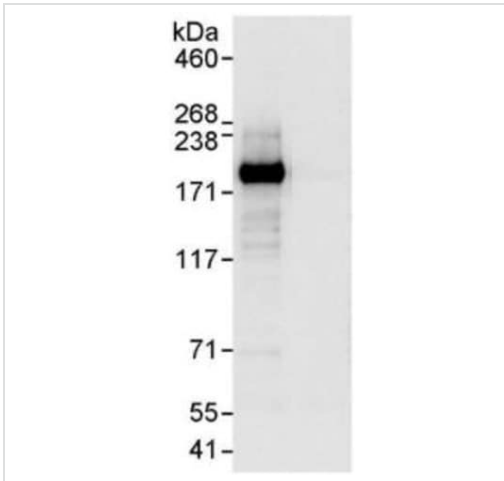
Lane 1 : HeLa Whole cell lysate at 50 µg

Lane 2 : HeLa Whole cell lysate at 15 µg

Lane 3 : HeLa Whole cell lysate at 5 µg

Predicted band size: 162 kDa

Detection: Chemiluminescence with exposure time of 30 second



Immunoprecipitation - Anti-Werner's syndrome helicase WRN antibody (ab17987)

Werner's syndrome helicase WRN was immunoprecipitated from HeLa whole cell lysate with 3 µg/mg lysate. Western blot was performed from the immunoprecipitate using ab17987 at 1 µg/ml dilution.

Lane 1: ab17987 IP in HeLa whole cell lysate.

Lane 2: Control IgG IP in HeLa whole cell lysate.

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