abcam

Product datasheet

Anti-Werner's syndrome helicase WRN antibody ab16489

★★★★★ 1 Abreviews

概述

产品名称	Anti-Werner's syndrome helicase WRN**抗体**
描述	**兔多克隆抗体**to Werner's syndrome helicase WRN
宿主	Rabbit
特异性	ab16489 recognises a strong band of ~150kDa in mouse testis lysate corresponding to Werner's syndrome helicase WRN. A number of smaller, weakly cross-reacting bands are also seen. No bands were detected in either mouse ovary or mouse spleen lysate.
经测试应用	**适用于:** WB, IP
种属反应性	**与反应:** Mouse
免疫原	Synthetic peptide conjugated to KLH derived from within residues 350 - 450 of Mouse Werner's syndrome helicase WRN. **参阅Abcam的专有抗源政策**
阳性对照	mouse testes

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab16489** in the following tested applications.

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

应用	Ab评论	说明
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 150 kDa (predicted molecular weight: 162 kDa).
IP	★★★★★	Use at an assay dependent concentration.

靶标

功能	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.
疾病相关	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].
序列相似性	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.
翻译后修饰	Phosphorylated by PRKDC. Phosphorylated upon DNA damage, probably by ATM or ATR.
细胞定位	Nucleus > nucleolus. Nucleus.

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.cn/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors