

产品名称: WRN (phospho Ser1141) Rabbit Polyclonal Antibody
产品货号: APRab05634



产品概述 (Summary)

产品名称 (Production Name)	WRN (phospho Ser1141) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	WRN
别名 (Alternative Names)	WRN; RECQ3; RECQL2; Werner syndrome ATP-dependent helicase; DNA helicase; RecQ-like type 3; RecQ3; Exonuclease WRN; RecQ protein-like 2
基因 ID (Gene ID)	7486.0
蛋白 ID (SwissProt ID)	Q14191.The antiserum was produced against synthesized peptide derived from human Werner Syndrome Helicase around the phosphorylation site of Ser1141. AA range:1107-1156

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:10000
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蛋白分子量 (Molecular Weight) 162kDa

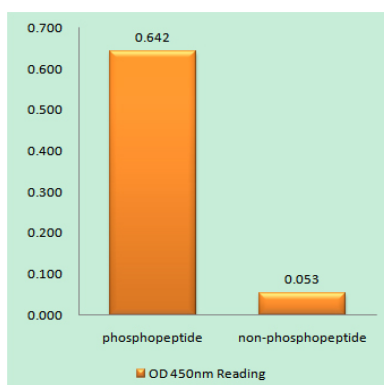
研究背景 (Background)

Werner syndrome RecQ like helicase(WRN) Homo sapiens This gene encodes a member of the RecQ subfamily and the DEAH (Asp-Glu-Ala-His) subfamily of DNA and RNA helicases. DNA helicases are involved in many aspects of DNA metabolism, including transcription, replication, recombination, and repair. This protein contains a nuclear localization signal in the C-terminus and shows a predominant nucleolar localization. It possesses an intrinsic 3' to 5' DNA helicase activity, and is also a 3' to 5' exonuclease. Based on interactions between this protein and Ku70/80 heterodimer in DNA end processing, this protein may be involved in the repair of double strand DNA breaks. Defects in this gene are the cause of Werner syndrome, an autosomal recessive disorder characterized by premature aging. [provided by RefSeq, Jul 2008],disease: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.,disease:Defects in WRN may be a cause of colorectal cancer (CRC) [MIM:114500].,function:Essential for the formation of DNA replication focal centers; stably associates with foci elements generating binding sites for RP-A. Exhibits a magnesium-dependent ATP-dependent DNA-helicase activity. May be involved in the control of genomic stability.,online information:WRN mutation db (Warner disease),PTM:Phosphorylated by PRKDC. Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the helicase family. RecQ subfamily.,similarity:Contains 1 3'-5' exonuclease domain.,similarity:Contains 1 helicase ATP-binding domain.,similarity:Contains 1 helicase C-terminal domain.,similarity:Contains 1 HRDC domain.,subunit:Interacts via its N-terminal domain with WRNIP1 (By similarity). Interacts with EXO1.,

研究领域 (Research Area)

Protein_Acetylation

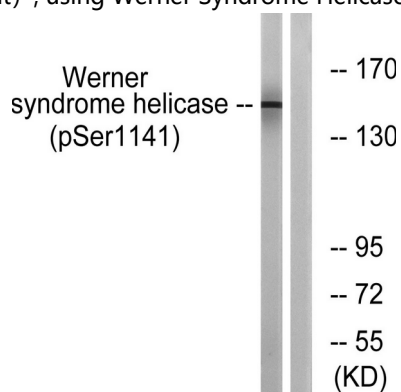
图片 (Image Data)



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Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right) , using Werner Syndrome Helicase (Phospho-Ser1141) Antibody



Western blot analysis of lysates from K562 cells treated with etoposide 25uM 24h, using Werner Syndrome Helicase (Phospho-Ser1141) Antibody. The lane on the right is blocked with the phospho peptide.

注意事项 (Note)

For research use only .