

Rabbit anti-Human WRN Polyclonal Antibody | anti-WRN antibody

WRN Antibody (Center T802)

CATALOG # AAA286699	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

WRN; Polyclonal Antibody; WRN Antibody (Center T802); Werner syndrome ATP-dependent helicase; DNA helicase; RecQ-like type 3; RecQ3; Exonuclease WRN; 31--; RecQ protein-like 2; RECQ3; RECQL2; anti-WRN antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This WRN antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 787-816 amino acids from the Central region of human WRN.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	787-816
Sequence Length	1,432
Applicable Applications for anti-WRN antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

WRN Antibody (Center T802) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)

WRN Antibody (Center T802) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the WRN antibody detected the WRN protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-WRN antibody	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.
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Perry, J.J., et al. J. Biol. Chem. 285(33):25699-25707(2010) Briggs, F.B., et al. Am. J. Epidemiol. 172(2):217-224(2010) Kobayashi, J., et al. Mech. Ageing Dev. 131(6):436-444(2010) Ehrenberg, M., et al. Mol. Vis. 16, 1771-1775 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	110735439
NCBI GeneID	7486
NCBI Accession #	NP_000544.2
NCBI GenBank Nucleotide #	NM_000553.4
UniProt Accession #	Q14191; A1KYY9
Molecular Weight	162461
NCBI Official Full Name	Werner syndrome ATP-dependent helicase
NCBI Official Synonym Full Names	Werner syndrome, RecQ helicase-like
NCBI Official Symbol	WRN
NCBI Official Synonym Symbols	RECQ3; RECQL2; RECQL3
NCBI Protein Information	Werner syndrome ATP-dependent helicase
UniProt Protein Name	Werner syndrome ATP-dependent helicase
UniProt Gene Name	WRN
UniProt Synonym Gene Names	RECQ3; RECQL2; RecQ3
UniProt Entry Name	WRN_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/wrn-antibody-flow-cytometry-western-blot-elisa/286699>