Datasheet for ABIN955584

anti-RECQL2 antibody (Middle Region, Thr802)

2 Images

Go to Product page

Overview

Quantity:	0.4 mL
Target:	RECQL2 (WRN)
Binding Specificity:	AA 794-825, Middle Region, Thr802
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 794-825 (T802 amino acids from the Central region of human WRN
Isotype:	Ig Fraction
Specificity:	This antibody detects WRN (Center).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column; followed by peptide affinity purification

Target Details

Target:	RECQL2 (WRN)
Alternative Name:	WRN (WRN Products)
Background:	This gene encodes a member of the RecQ subfamily and the DEAH (Asp-Glu-Ala-His) subfamily

Target Details

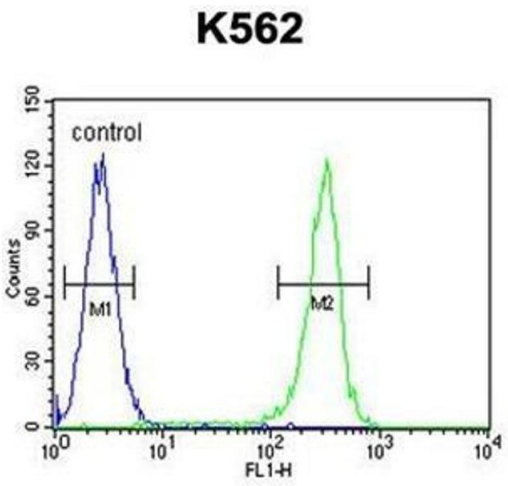
	of DNA and RNA helicases. DNA helicases are involved in many aspects of DNA metabolism, including transcription, replication, recombination, and repair. This protein contains a nuclear localization signal in the C-terminus and shows a predominant nucleolar localization. It possesses an intrinsic 3' to 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.Synonyms: DNA helicase, Exonuclease WRN, RECQ3, RECQL2, RecQ protein-like 2, RecQ-like type 3, RecQ3, Werner syndrome ATP-dependent helicase
Gene ID:	7486
NCBI Accession:	NP_000544
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

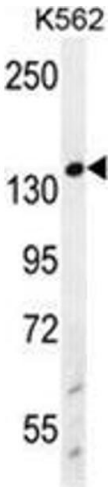
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



Flow Cytometry

Image 1. 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.



Western Blotting

Image 2. WRN Antibody (Center T802) western blot analysis in K562 cell line lysates (35 µg/lane). This demonstrates the WRN antibody detected the WRN protein (arrow).