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# Datasheet for ABIN656017 anti-RECQL2 antibody (AA 787-816)

3 Images

1 Publication



#### Overview

Quantity:	400 µL
Target:	RECQL2 (WRN)
Binding Specificity:	AA 787-816
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RECQL2 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

# Product Details

Immunogen:	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.
Clone:	RB17383
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

## Target Details

Target:	RECQL2 (WRN)
Alternative Name:	WRN (WRN Products)

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# Target Details

Background:	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.

Molecular Weight:	162461
Gene ID:	7486
NCBI Accession:	NP_000544
UniProt:	Q14191
Pathways:	DNA Damage Repair

# Application Details

Application Notes:	WB: 1:1000. IHC-P: 1:100. FC: 1:10~50
Restrictions:	For Research Use only

# Handling

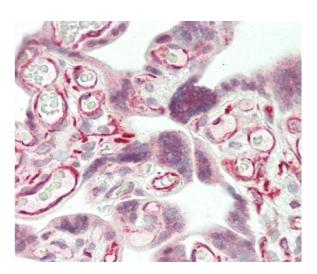
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

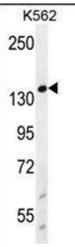
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#### Product cited in:

Kawakubo-Yasukochi, Morioka, Hazekawa, Yasukochi, Nishinakagawa, Ono, Kawano, Nakamura, Nakashima: "miR-200c-3p spreads invasive capacity in human oral squamous cell carcinoma microenvironment." in: **Molecular carcinogenesis**, Vol. 57, Issue 2, pp. 295-302, ( 2018) (PubMed).

### Images





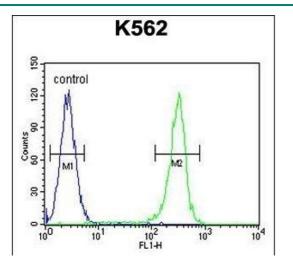
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin-embedded H.placenta tissue reacted with WRN Antibody (Center ) (ABIN656017 and ABIN2845392).

#### Western Blotting

**Image 2.** WRN Antibody (Center ) (ABIN656017 and ABIN2845392) western blot analysis in K562 cell line lysates ( $35 \mu g$ /lane).This demonstrates the WRN antibody detected the WRN protein (arrow).

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#### **Flow Cytometry**

**Image 3.** WRN Antibody (Center ) (ABIN656017 and ABIN2845392) 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.

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