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Datasheet for ABIN7113546  
**anti-DCLRE1B antibody**

### Overview

Quantity:	100 µg
Target:	DCLRE1B
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLRE1B antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	DNA cross-link repair 1B(PSO2 homolog, <i>S. cerevisiae</i> )
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	DCLRE1B
Alternative Name:	DCLRE1B ( <a href="#">DCLRE1B Products</a> )
Background:	Synonyms:SNM1B Background:5'-3' exonuclease that plays a central role in telomere maintenance and protection during S-phase. Participates in the protection of telomeres against non-homologous end-joining(NHEJ)-mediated repair, thereby ensuring that telomeres do not fuse. Plays a key role in telomeric loop(T loop) formation by being recruited by TERF2 at the

## Target Details

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leading end telomeres and by processing leading-end telomeres immediately after their replication via its exonuclease activity: generates 3' single-stranded overhang at the leading end telomeres avoiding blunt leading-end telomeres that are vulnerable to end-joining reactions and expose the telomere end in a manner that activates the DNA repair pathways. Together with TERF2, required to protect telomeres from replicative damage during replication by controlling the amount of DNA topoisomerase(TOP1, TOP2A and TOP2B) needed for telomere replication during fork passage and prevent aberrant telomere topology. Also involved in response to DNA damage: plays a role in response to DNA interstrand cross-links(ICLs) by facilitating double-strand break formation. In case of spindle stress, involved in prophase checkpoint.

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Molecular Weight: 60 kDa

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Gene ID: 64858

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UniProt: [Q9H816](#)

## Application Details

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Application Notes: WB: 1:500-1:2000

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C

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Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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Expiry Date: 12 months