

## anti- DCLRE1B antibody

### Product Information

Catalog No.:	FNab02267
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

### 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 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.

### Immunogen information

Immunogen:	DNA cross-link repair 1B(PSO2 homolog, <i>S. cerevisiae</i> )
Synonyms:	SNM1B
Observed MW:	60 kDa

### Wuhan Fine Biotech Co., Ltd.

B9 Bld, High-Tech Medical Devices Park, No. 818 Gaoxin Ave. East Lake High-Tech Development Zone. Wuhan, Hubei, China(430206)

Tel : (0086)027-87384275

Fax: (0086)027-87800889 [www.fn-test.com](http://www.fn-test.com)

UniprotID : Q9H816

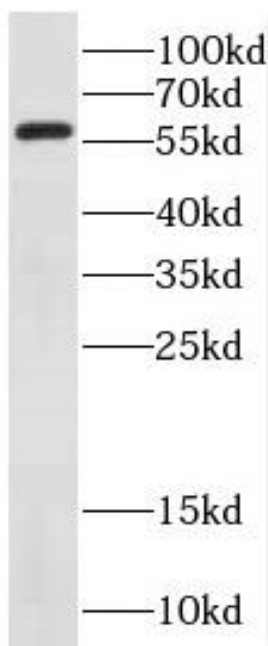
### Application

Reactivity: Human, Mouse, Rat

Tested Application: ELISA, WB

Recommended dilution: WB: 1:500-1:2000

Image:



Jurkat cells were subjected to SDS PAGE followed by western blot with FNab02267(DCLRE1B antibody) at dilution of 1:800

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