

For Research Use Only

DCLRE1B Polyclonal antibody

Catalog Number: 13203-1-AP

1 Publications



Basic Information

Catalog Number:

13203-1-AP

Concentration:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3945

GenBank Accession Number:

BC029687

GeneID (NCBI):

64858

UNIPROT ID:

Q9H816

Full Name:

DNA cross-link repair 1B (PSO2 homolog, *S. cerevisiae*)

Calculated MW:

532 aa, 60 kDa

Observed MW:

60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : Jurkat cells, HepG2 cells

Background Information

Interstrand cross-links (ICLs) is an extremely cytotoxic form of DNA damage that covalently tethers the two strands of the double helix, which inhibits fundamental nuclear functions, including transcription and DNA replication [PMID:21701511]. DCLRE1B is one of several evolutionarily conserved genes involved in repair of interstrand cross-links [PMID:10848582]. Furthermore, DCLRE1B was identified as a TRF2-interacting protein and, has a role in telomere maintenance in association with the Shelterin complex, preventing non-homologous end-joining-mediated chromosome fusions protecting leading strand telomeres [PMID:20619712].

Notable Publications

Author	Pubmed ID	Journal	Application
Nazareno Bona	37580626	Nat Struct Mol Biol	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

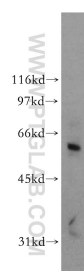
T: 4006900926

E: Proteintech-CN@ptglab.com

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Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 13203-1-AP (DCLRE1B antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.