

For Research Use Only

DCLRE1B Polyclonal antibody

Catalog Number: 13203-1-AP **1 Publications**



Basic Information

Catalog Number: 13203-1-AP	GenBank Accession Number: BC029687	Purification Method: Antigen affinity purification
Size: 550 µg/ml	GeneID (NCBI): 64858	Recommended Dilutions: WB 1:500-1:1000 IF 1:50-1:500
Source: Rabbit	UNIPROT ID: Q9H816	
Isotype: IgG	Full Name: DNA cross-link repair 1B (PSO2 homolog, <i>S. cerevisiae</i>)	
Immunogen Catalog Number: AG3945	Calculated MW: 532 aa, 60 kDa	
	Observed MW: 60 kDa	

Applications

Tested Applications: IF/ICC, WB, ELISA	Positive Controls: WB : Jurkat cells, HepG2 cells IF : HepG2 cells,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human	

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

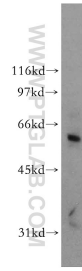
Storage

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

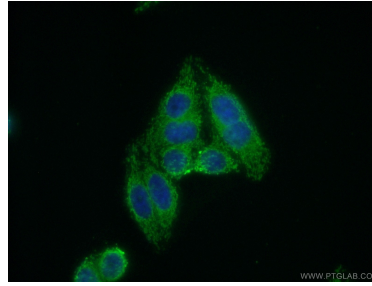
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Selected Validation Data



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.



Immunofluorescent analysis of (10% Formaldehyde) fixed HepG2 cells using 13203-1-AP (DCLRE1B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).