

For Research Use Only

# DCLRE1B Polyclonal antibody, PBS Only

Catalog Number: 13203-1-PBS



## Basic Information

<b>Catalog Number:</b> 13203-1-PBS	<b>GenBank Accession Number:</b> BC029687	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64858	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9H816	
<b>Isotype:</b> IgG	<b>Full Name:</b> DNA cross-link repair 1B (PSO2 homolog, <i>S. cerevisiae</i> )	
<b>Immunogen Catalog Number:</b> AG3945	<b>Calculated MW:</b> 532 aa, 60 kDa	
	<b>Observed MW:</b> 60 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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].

## Storage

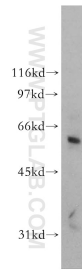
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: 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. This data was developed using the same antibody clone with 13203-1-PBS in a different storage buffer formulation.