

## Product datasheet for **TA339872**

### Artemis (DCLRE1C) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-DCLRE1C antibody: synthetic peptide directed towards the N terminal of human DCLRE1C. Synthetic peptide located within the following region: SSFEGQMAEYPTISIDRFDRENLRARAYFLSHCHKDHMKGLRAPTLKRRL
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	78 kDa
Gene Name:	DNA cross-link repair 1C
Database Link:	<a href="#">NP_001029027</a> <a href="#">Entrez Gene 64421 Human</a> <a href="#">Q96SD1</a>



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**Background:**

DCLRE1C is a nuclear protein that is involved in V(D)J recombination and DNA repair. The protein has single-strand-specific 5'-3' exonuclease activity; it also exhibits endonuclease activity on 5' and 3' overhangs and hairpins when complexed with protein kinase, DNA-activated, catalytic polypeptide. Mutations in this gene cause Athabaskan-type severe combined immunodeficiency (SCIDA). This gene encodes a nuclear protein that is involved in V(D)J recombination and DNA repair. The protein has single-strand-specific 5'-3' exonuclease activity; it also exhibits endonuclease activity on 5' and 3' overhangs and hairpins when complexed with protein kinase, DNA-activated, catalytic polypeptide. Mutations in this gene cause Athabaskan-type severe combined immunodeficiency (SCIDA).

**Synonyms:**

A-SCID; DCLREC1C; RS-SCID; SCIDA; SNM1C

**Note:**

Immunogen Sequence Homology: Pig: 100%; Rat: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Bovine: 100%; Rabbit: 100%; Guinea pig: 100%; Dog: 93%; Zebrafish: 86%

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cell cycle, Non-homologous end-joining, Primary immunodeficiency

**Product images:**

WB Suggested Anti-DCLRE1C Antibody Titration: 0.2-1 ug/ml; ELISA Titer: 1: 62500; Positive Control: 293T cell lysate DCLRE1C is supported by BioGPS gene expression data to be expressed in HEK293T