Datasheet for ABIN7165107

anti-DCLRE1C antibody (AA 1-300)

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Overview

Quantity:	100 µL
Target:	DCLRE1C
Binding Specificity:	AA 1-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DCLRE1C antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Protein artemis protein (1-300AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity Purified

Target Details

Target:	DCLRE1C
Alternative Name:	DCLRE1C (DCLRE1C Products)
Background:	Background: Required for V(D)J recombination, the process by which exons encoding the antigen-binding domains of immunoglobulins and T-cell receptor proteins are assembled from

Target Details

	individual V, (D), and J gene segments. V(D)J recombination is initiated by the lymphoid specific RAG endonuclease complex, which generates site specific DNA double strand breaks (DSBs). These DSBs present two types of DNA end structures: hairpin sealed coding ends and phosphorylated blunt signal ends. These ends are independently repaired by the non homologous end joining (NHEJ) pathway to form coding and signal joints respectively. This protein exhibits single-strand specific 5\\\'-3\\\' exonuclease activity in isolation and acquires endonucleolytic activity on 5\\\' and 3\\\' hairpins and overhangs when in a complex with PRKDC. The latter activity is required specifically for the resolution of closed hairpins prior to the formation of the coding joint. May also be required for the repair of complex DSBs induced by ionizing radiation, which require substantial end-processing prior to religation by NHEJ. Aliases: A SCID antibody, A SCID protein antibody, Artemis protein antibody, ASCID antibody, DCLRE1C antibody, DCLRE1C DNA cross link repair 1C antibody, DCLRE1C protein antibody, DCLREC1C antibody, DCR1C_HUMAN antibody, DNA cross link repair 1C antibody, DNA cross link repair 1C protein antibody, DNA cross-link repair 1C protein antibody, FLJ11360 antibody, FLJ36438 antibody, hSNM1C antibody, OTTHUMP00000045150 antibody, Protein A-SCID antibody, Protein ARTEMIS antibody, PSO2 homolog antibody, RS SCID antibody, SCIDA antibody, Severe combined immunodeficiency type a antibody, SNM1 homolog C antibody, SNM1 like protein antibody, SNM1-like protein antibody, SNM1C antibody
UniProt:	Q96SD1
Pathways:	DNA Damage Repair

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C

Handling

Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.