

# Artemis (DCLRE1C) Antibody

<b>ALTERNATE NAMES:</b>	DNA cross-link repair 1C protein, SNM1-like protein	
<b>CATALOG NO:</b>	3307-30T	30 µg (Trial size)
	3307-100	100 µg
<b>HOST:</b>	Rabbit	
<b>ISOTYPE:</b>	IgG	
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding the C-terminal (BV-M21)	
<b>PURIFICATION:</b>	Affinity purified rabbit IgG	
<b>MOLECULAR WEIGHT:</b>	~78 kDa	
<b>FORM:</b>	Liquid	
<b>FORMULATION:</b>	0.5 mg/ml of antibody in PBS, 0.01 % BSA, 0.01 % thimerosal, and 50 % glycerol, pH 7.2	
<b>SPECIES REACTIVITY:</b>	Human, Mouse and Rat.	
<b>STORAGE CONDITIONS:</b>	Store at -20°C. Avoid repeated freeze/thaw cycles.	

**DESCRIPTION:** Artemis is a 78 kDa protein, belonging to metallo-beta-lactamase superfamily. It is involved in endonuclease activity to break DNA hairpins. It also has been reported that the C-terminus of Artemis interacts with DNA binding domain of Ligase IV directly. Ligase IV is a key enzyme in DNA repair and V(D)J recombination. Thus, Artemis is a novel protein that is involved in V(D)J recombination/DNA repair. Mutations cause human T-B-severe combined immunodeficiency associated with increased cellular radiosensitivity (RS-SCID).

**APPLICATION:** Western blot: 1:200

**Note:** This information is only intended as a guide. The optimal dilutions must be determined by the user.



Western blot of 3T3 cell lysate with Artemis antibody

## RELATED PRODUCTS:

- Artemis Blocking Peptide (**Cat.No.3307BP-50**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**