

DCLRE1C (phospho S645) polyclonal antibody

Catalog # PAB15904

Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of DCLRE1C.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S645 of human DCLRE1C.
Host	Rabbit
Reactivity	Human
Form	Liquid
Recommend Usage	ELISA (1:2000-1:5000) Western Blot (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme-linked Immunoabsorbent Assay

Gene Info — DCLRE1C

Entrez GeneID [64421](#)

Gene Name DCLRE1C

Gene Alias	A-SCID, DCLREC1C, FLJ11360, FLJ36438, RS-SCID, SCIDA, SNM1C
Gene Description	DNA cross-link repair 1C (PSO2 homolog, S. cerevisiae)
Omim ID	602450 603554 605988
Gene Ontology	Hyperlink
Gene Summary	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). [provided by RefSeq]
Other Designations	OTTHUMP00000019166 OTTHUMP00000019167 OTTHUMP00000019168 OTTHUMP00000019170 OTTHUMP00000019171 OTTHUMP00000019172 OTTHUMP00000019174 OTTHUMP0000045150 artemis protein severe combined immunodeficiency, type a (Athabaskan)

Publication Reference

- [Phosphorylation of Artemis following irradiation-induced DNA damage.](#)

Poinsignon C, de Chasseval R, Soubeyrand S, Moshous D, Fischer A, Hache RJ, de Villartay JP.
European Journal of Immunology 2004 Nov; 34(11):3146.

Application: WB, Human, AT1BR, HEK 293T cells

- [The metallo-beta-lactamase/beta-CASP domain of Artemis constitutes the catalytic core for V\(D\)J recombination.](#)

Poinsignon C, Moshous D, Callebaut I, de Chasseval R, Villey I, de Villartay JP.
The Journal of Experimental Medicine 2004 Feb; 199(3):315.

Pathway

- [Non-homologous end-joining](#)
- [Primary immunodeficiency](#)

Disease

- [Brain Neoplasms](#)
- [Breast cancer](#)

- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Immunologic Deficiency Syndromes](#)
- [Lymphopenia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Severe combined immunodeficiency](#)
- [Werner syndrome](#)