

Product datasheet

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ARG58158 anti-TdT antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes TdT

Tested Reactivity Hu

Tested Application IHC-P, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name TdT

Species Human

Immunogen Synthetic peptide derived from Human TdT.

Conjugation Un-conjugated

Alternate Names EC 2.7.7.31; Terminal addition enzyme; Terminal transferase; DNA nucleotidylexotransferase; Terminal

deoxynucleotidyltransferase; TDT

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 51 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS (pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol DNTT

Gene Full Name DNA nucleotidylexotransferase

Background This gene is a member of the DNA polymerase type-X family and encodes a template-independent DNA

polymerase that catalyzes the addition of deoxynucleotides to the 3'-hydroxyl terminus of

oligonucleotide primers. In vivo, the encoded protein is expressed in a restricted population of normal and malignant pre-B and pre-T lymphocytes during early differentiation, where it generates antigen receptor diversity by synthesizing non-germ line elements (N-regions) at the junctions of rearranged Ig heavy chain and T cell receptor gene segments. Alternatively spliced transcript variants encoding

different isoforms of this gene have been described. [provided by RefSeq, Jul 2008]

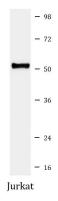
Function Template-independent DNA polymerase which catalyzes the random addition of deoxynucleoside

5'-triphosphate to the 3'-end of a DNA initiator. One of the in vivo functions of this enzyme is the addition of nucleotides at the junction (N region) of rearranged Ig heavy chain and T-cell receptor gene

segments during the maturation of B- and T-cells. [UniProt]

Calculated Mw 59 kDa

Images



ARG58158 anti-TdT antibody WB image

Western blot: Jurkat cell lysate stained with ARG58158 anti-TdT antibody.