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DNA Pol μ Polyclonal Antibody

Catalog # AP73288

Product Information

Application	WB, E
Primary Accession	Q9NP87
Reactivity	Human, Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54816

Additional Information

Gene ID	27434
Other Names	POLM; polmu; DNA-directed DNA/RNA polymerase mu; Pol Mu; Terminal transferase
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

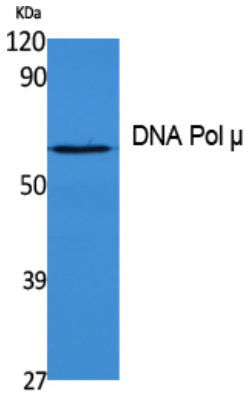
Protein Information

Name	POLM
Synonyms	polmu
Function	Catalyzes template-directed nucleotide addition during gap filling at DNA double-strand breaks (PubMed:10747040, PubMed:10982892, PubMed:12640116, PubMed:12888504, PubMed:17483519, PubMed:17915942, PubMed:26240373). Functions as a gap-filling polymerase involved in repair of DNA double-strand breaks by non-homologous end joining (NHEJ) (PubMed:12640116, PubMed:17915942, PubMed:26240373). Displays reduced sugar discrimination, incorporating deoxyribonucleotides and ribonucleotides with similar efficiency on DNA primer strands, and is able to polymerize nucleotides on RNA-terminated primer strands in vitro (PubMed:12640116, PubMed:12888504). Participates in immunoglobulin (Ig) light chain gene rearrangement in V(D)J recombination (By similarity).
Cellular Location	Nucleus {ECO:0000250|UniProtKB:Q9UGP5}.
Tissue Location	Predominantly expressed in peripheral lymphoid tissues.

Background

Gap-filling polymerase involved in repair of DNA double- strand breaks by non-homologous end joining (NHEJ). Participates in immunoglobulin (Ig) light chain gene rearrangement in V(D)J recombination.

Images



Western Blot analysis of extracts from K562 cells, using DNA Pol μ Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003,Inventbiotech,MN,USA).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.