

Datasheet for 600-401-462**POLM Mu Antibody****Overview**

Description:	Anti-Human POLM mu (RABBIT) Antibody - 600-401-462
Item No.:	600-401-462
Size:	100 µg
Applications:	ELISA
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	DNA-directed DNA/RNA polymerase mu (POLM) is a Gap-filling polymerase involved in repair of DNA double-strand breaks by non-homologous end joining (NHEJ). It participates in immunoglobulin (Ig) light chain gene rearrangement in V(D)J recombination. DPOLM has a reduced ability to distinguish dNTP and rNTP as substrates, and elongates them on DNA primer strand with a similar efficiency. It is able to polymerize nucleotides on RNA primer strands.
Synonyms:	rabbit anti-POLM antibody, DNA-directed DNA/RNA polymerase mu , Pol Mu, Terminal transferase, DNA Polymerase Mu antibody, DNA-directed DNA polymerase mu antibody, Pol iota antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	POLM
Reactivity:	Human
Immunogen Type:	Conjugated Peptide
Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to aa 6-18 of Human POLM m (DNA polymerase mu). POLM μ is a template-directed terminal deoxynucleotide transferase that shows a preferential expression in proliferating lymphoid cells.

Purity/Specificity: This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.

Relevant Links:

- [UniProtKB - Q9NP87](#)
- [NCBI - CAB65075](#)
- [GeneID - 27434](#)

Application Details

Tested Applications: ELISA

Application Note: This affinity purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:10,000 - 1:50,000

WB: 1:500- 1:2,000

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 2.1 mg/mL by UV absorbance at 280 nm

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Preservative: 0.01% (w/v) Sodium Azide

Stabilizer: None

Shipping & Handling

Shipping Condition: Dry Ice

Storage Condition: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Disclaimer

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