

**Anti-Human POLM mu (RABBIT) Antibody**  
**POLM Mu Antibody**  
**Catalog # ASR5239**

**Specification**

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**Anti-Human POLM mu (RABBIT) Antibody - Product Information**

Host	Rabbit
Conjugate	Unconjugated
Target Species	Human
Reactivity	Human
Clonality	Polyclonal
Application	WB, E, I, LCI
Application Note	This affinity purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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 $\mu$ is a template-directed terminal deoxynucleotide transferase that shows a preferential expression in proliferating lymphoid cells.
Preservative	0.01% (w/v) Sodium Azide

**Anti-Human POLM mu (RABBIT) Antibody - Additional Information**

**Gene ID** 27434

**Other Names**  
27434

**Purity**

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

**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.

**Precautions Note**

This product is for research use only and is not intended for therapeutic or diagnostic applications.

## Anti-Human POLM mu (RABBIT) Antibody - Protein Information

**Name** POLM

**Synonyms** polmu

### Function

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.

### Cellular Location

Nucleus.

### Tissue Location

Expressed in a number of tissues. Abundant in thymus

## Anti-Human POLM mu (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-Human POLM mu (RABBIT) Antibody - Images

## Anti-Human POLM mu (RABBIT) Antibody - 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.