

Datasheet for ABIN129588
anti-POLM antibody (AA 6-18)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	POLM
Binding Specificity:	AA 6-18
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	POLM Mu Antibody
Immunogen:	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. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Characteristics:	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
Purification:	This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase.

Product Details

Sterility: Sterile filtered

Target Details

Target: POLM

Alternative Name: POLM ([POLM Products](#))

Background: 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.

Gene ID: 27434

UniProt: [Q9NP87](#)

Pathways: [DNA Damage Repair](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes: Application Note: This affinity purified antibody has been tested for use in ELISA against the immunizing peptide. Reactivity in other immunoassays is unknown.
Western Blot Dilution: 1:500- 1:2,000
ELISA Dilution: 1:10,000 - 1:50,000
Other: User Optimized

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 2.1 mg/mL

Buffer: Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: None
Preservative: 0.01 % (w/v) Sodium Azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: 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.

Expiry Date: 12 months