

[Go to Product page](#)

Datasheet for ABIN1703887

anti-POLM antibody (AA 261-360) (Cy5)

Overview

Quantity:	100 µL
Target:	POLM
Binding Specificity:	AA 261-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLM antibody is conjugated to Cy5
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human DNA polymerase mu
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat,Horse
Purification:	Purified by Protein A.

Target Details

Target:	POLM
Alternative Name:	DNA polymerase mu (POLM Products)

Target Details

Background: Synonyms: DNA Polymerase Mu, DNA-directed DNA polymerase mu, DNA-directed DNA/RNA polymerase mu, DPOLM_HUMAN, FLJ35482, Pol iota, Pol Mu, Polm, POLM protein, Polymerase DNA directed mu, Polymerase DNA directed mu, Tdt N, Tdt-N, TdtN, Terminal transferase.

Background: DNA polymerase mu shares a number of characteristics with DNA polymerase Beta as well as with terminal deoxynucleotidyltransferase. Pol mu purportedly plays a role in microhomology mediated joining and the repair of double-stranded breaks. However, unlike other DNA polymerases, which show substrate specificity for deoxynucleotides, DNA Pol mu incorporates both deoxynucleotides and ribonucleotides in a template- directed manner. This unusual capability implies a novel role for this polymerase in DNA repair.

Gene ID: 27434

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

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months