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Datasheet for ABIN1707656

**anti-POLM antibody (AA 261-360) (Cy7)**

## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 100 µL   |
| Target:              | POLM   |
| Binding Specificity: | AA 261-360   |
| Reactivity:          | Human  |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This POLM antibody is conjugated to Cy7  |
| 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 ( <a href="#">POLM Products</a> ) |

## Target Details

|             |   |
|-------------|---|
| Background: | <p>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.</p> <p>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.</p> |
| Gene ID:    | 27434   |
| Pathways:   | <a href="#">DNA Damage Repair</a> , <a href="#">Production of Molecular Mediator of Immune Response</a>   |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>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  |