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Datasheet for ABIN1698450

anti-POLM antibody (AA 261-360) (Alexa Fluor 647)

Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | POLM |
| Binding Specificity: | AA 261-360 |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This POLM antibody is conjugated to Alexa Fluor 647 |
| Application: | Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

Product Details

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| 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

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

Target Details

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|-------------|---|
| 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: | DNA Damage Repair , Production of Molecular Mediator of Immune Response |

Application Details

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| 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

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|--------------------|--|
| 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 |