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## Datasheet for ABIN1713765 **anti-POLM antibody (AA 261-360)**

### Overview

Quantity:	100 µL
Target:	POLM
Binding Specificity:	AA 261-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This POLM antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

### 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
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## Target Details

Alternative Name:	DNA polymerase mu ( <a href="#">POLM Products</a> )
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:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % 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:	4 °C,-20 °C

Handling

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Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months