

## ARG59379 anti-POLI / DNA Polymerase Iota antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes POLI / DNA Polymerase Iota
Tested Reactivity	Hu, Ms
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	POLI / DNA Polymerase Iota
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 50-350 of Human POLI / DNA Polymerase Iota (NP_009126.2).
Conjugation	Un-conjugated
Alternate Names	RAD30B; Eta2; RAD30B; DNA polymerase Iota; EC 2.7.7.7; RAD30 homolog B

### Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse testis	
Observed Size	85 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

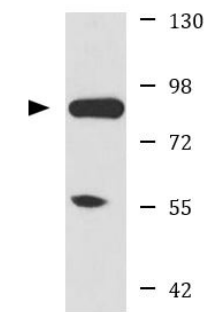
## Bioinformation

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Gene Symbol	POLI
Gene Full Name	polymerase (DNA directed) iota
Function	Error-prone DNA polymerase specifically involved in DNA repair. Plays an important role in translesion synthesis, where the normal high-fidelity DNA polymerases cannot proceed and DNA synthesis stalls. Favors Hoogsteen base-pairing in the active site. Inserts the correct base with high-fidelity opposite an adenosine template. Exhibits low fidelity and efficiency opposite a thymidine template, where it will preferentially insert guanosine. May play a role in hypermutation of immunoglobulin genes. Forms a Schiff base with 5'-deoxyribose phosphate at abasic sites, but may not have lyase activity. [UniProt]
Calculated Mw	83 kDa
Cellular Localization	Nucleus. Note=Accumulates at replication forks after DNA damage. [UniProt]

## Images

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Mouse testis

ARG59379 anti-POLI / DNA Polymerase Iota antibody WB image

Western blot: 25 µg of Mouse testis lysate stained with ARG59379 anti-POLI / DNA Polymerase Iota antibody at 1:1000 dilution.