

# Product Datasheet

## POLD3 Antibody (3E2) - Azide and BSA Free H00010714-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 9/9/2025 v.20.1

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**H00010714-M01**

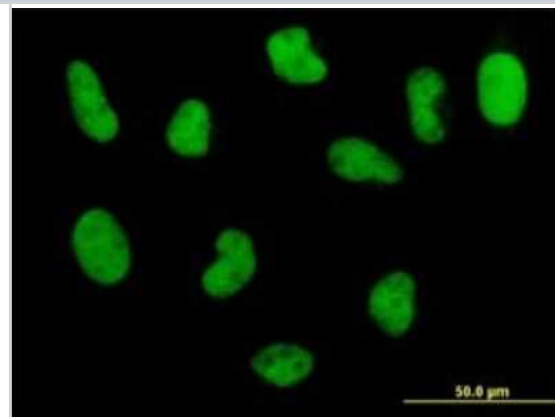
POLD3 Antibody (3E2) - Azide and BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	3E2
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse POLD3 Antibody (3E2) - Azide and BSA Free (H00010714-M01) is a monoclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-POLD3 Antibody: Cited in 15 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	10714
<b>Gene Symbol</b>	POLD3
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	POLD3 - polymerase (DNA-directed), delta 3, accessory subunit
<b>Immunogen</b>	POLD3 (NP_006582, 357 a.a. ~ 466 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. PPLEPVPKTEPEPPSVKSSSGENKRKRKRVLKSKTYLDGEGCIVTEKVYESES CTDSEEELNMKTSSVHRPPAMTVKKEPREERKGPKKGTAALGKANRQVSITGF FQRK
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000

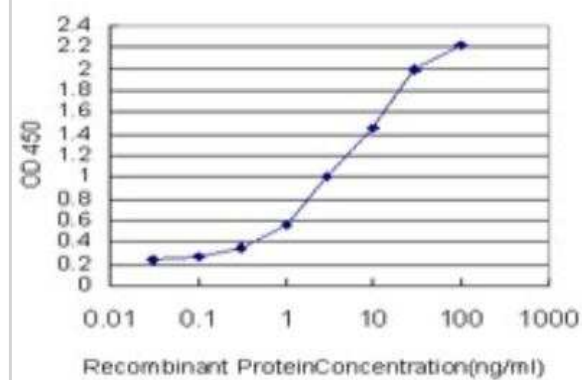


## Images

Immunocytochemistry/Immunofluorescence: POLD3 Antibody (3E2) [H00010714-M01] - Analysis of monoclonal antibody to POLD3 on HeLa cell . Antibody concentration 10 ug/ml.



ELISA: POLD3 Antibody (3E2) [H00010714-M01] - Detection limit for recombinant GST tagged POLD3 is approximately 0.03ng/ml as a capture antibody.



## Publications

Silva B, Arora R, Bione S, Azzalin CM. TERRA transcription destabilizes telomere integrity to initiate break-induced replication in human ALT cells *Nature Communications* 2021-06-18 [PMID: 34145295]

Barroso-Gonzalez J, Garcia-Expósito L, Galaviz P et al. Anti-recombination function of MutS alpha restricts telomere extension by ALT-associated homology-directed repair *Cell reports* 2021-12-07 [PMID: 34879271]

Lu R, Nelson CB, Rogers S et al. Distinct modes of telomere synthesis and extension contribute to Alternative Lengthening of Telomeres *iScience* 2023-12-11 [PMID: 38213617]

Rosso I, Jones-Weinert C, Rossiello F et al. Alternative lengthening of telomeres (ALT) cells viability is dependent on C-rich telomeric RNAs *Nature communications* 2023-11-04 [PMID: 37925537]

Rose AM, Goncalves T, Cunniffe S et al. Induction of the alternative lengthening of telomeres pathway by trapping of proteins on DNA *Nucleic acids research* 2023-03-20 [PMID: 36940725] (WB, Human)

Details:

Dilution used in WB 1:500

Camelia M, Eleftheria K, Maria F et al. DNA replication is highly resilient and persistent under the challenge of mild replication stress. *Cell Rep.* 2022-04-19 [PMID: 35443178]

Feng E, Batenburg N, Walker J et al. CSB cooperates with SMARCAL1 to maintain telomere stability in ALT cells. *J Cell Sci.* 2020-02-17 [PMID: 31974116]

Madhura D, Theodore P, Nahed J et al. Error-prone repair of stalled replication forks drives mutagenesis and loss of heterozygosity in haploinsufficient BRCA1 cells. *Mol Cell.* 2022-09-07 [PMID: 36099913]

Shixin C, John W, Nicole B et al. Cockayne syndrome group B protein uses its DNA translocase activity to promote mitotic DNA synthesis *DNA Repair (Amst).* 2022-06-17 [PMID: 35738143]

Raghunandan M, Geelen D, Majerova E, Decottignies A NHP2 downregulation counteracts hTR-mediated activation of the DNA damage response at ALT telomeres *The EMBO journal* 2021-02-17 [PMID: 33595114]

Zhang H, Zhao R, Tones J et al. Nuclear body phase separation drives telomere clustering in ALT cancer cells *Mol. Biol. Cell* 2020-06-24 [PMID: 32579423]

Silva B, Pentz R, Figueira AM et al. FANCM limits ALT activity by restricting telomeric replication stress induced by deregulated BLM and R-loops *Nat Commun* 2019-05-30 [PMID: 31138795] (WB, Human)

More publications at <http://www.novusbio.com/H00010714-M01>



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### **Products Related to H00010714-M01**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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