

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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Publications: 15

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Updated 9/9/2025 v.20.1

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H00010714-M01

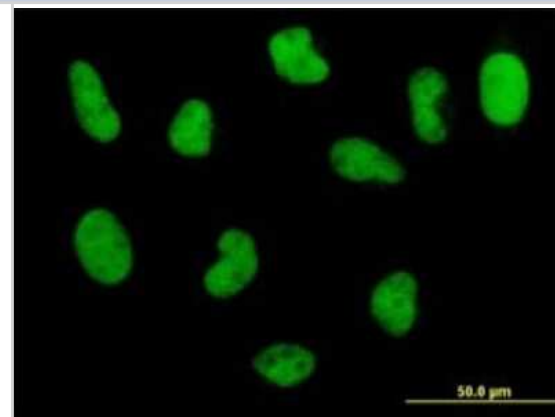
POLD3 Antibody (3E2) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3E2
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	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.
Host	Mouse
Gene ID	10714
Gene Symbol	POLD3
Species	Human
Specificity/Sensitivity	POLD3 - polymerase (DNA-directed), delta 3, accessory subunit
Immunogen	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 CTDSEEEELNMKTSSVHRPPAMTVKKEPREERKGPKKGTAALGKANRQVSITGF FQRK
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunocytochemistry/ Immunofluorescence 1:10-1:2000

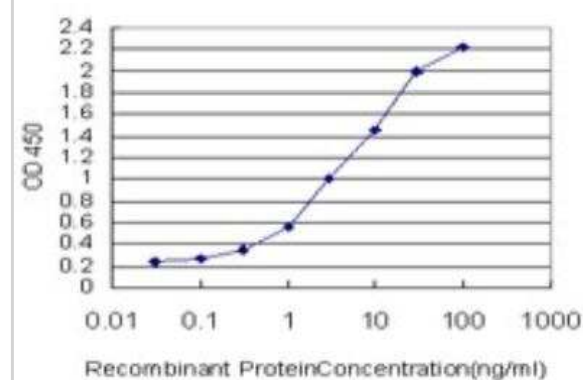


Images

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-Exposito 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

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00010714-Q01-10ug	Recombinant Human POLD3 GST (N-Term) Protein

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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