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Product datasheet for TA308522

POLD1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	ICC/IF:1:100-1:1000; WB:1:500-1:3000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment corresponding to a region within amino acids 685 and 1071 of DNA pol delta cat (Uniprot ID#P28340)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	124 kDa
Gene Name:	polymerase (DNA) delta 1, catalytic subunit
Database Link:	NP_002682 Entrez Gene 5424 Human P28340
Background:	The DNA polymerase delta complex is involved in DNA replication and repair, and it consists of the proliferating cell nuclear antigen (PCNA; MIM 176740), the multisubunit replication factor C (see MIM 102579), and the 4 subunit polymerase complex: POLD1, POLD2 (MIM 600815), POLD3 (MIM 611415), and POLD4 (MIM 611525) (Liu and Warbrick, 2006 [PubMed 16934752]). [supplied by OMIM]
Synonyms:	CDC2; CRCS10; MDPL; POLD
Protein Families:	Druggable Genome, Stem cell - Pluripotency

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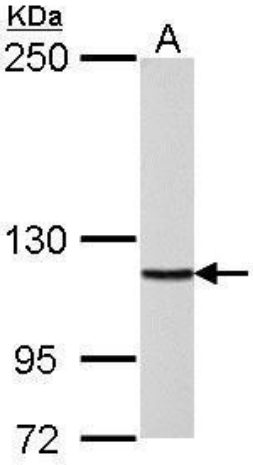
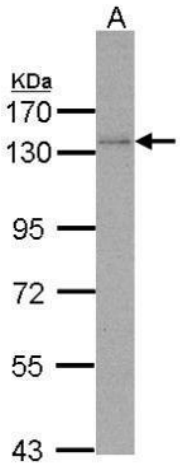
Protein Pathways: Base excision repair, DNA replication, Homologous recombination, Metabolic pathways, Mismatch repair, Nucleotide excision repair, Purine metabolism, Pyrimidine metabolism

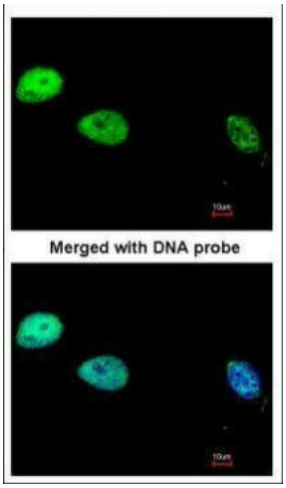
Product images:



DNA polymerase delta antibody detects POLD1 protein by Western blot analysis. A. 30 ug Rat2 whole cell lysate/extract. 5 % SDS-PAGE. DNA polymerase delta antibody (TA308522) dilution: 1:1000



Sample (30 ug of whole cell lysate). A: Molt-4. 7.5% SDS PAGE. TA308522 diluted at 1:3000.



Immunofluorescence analysis of paraformaldehyde-fixed HeLa, using DNA Polymerase delta, catalytic subunit (TA308522) antibody at 1:200 dilution.