

## Anti-POLD1 Rabbit mAb

Purified Rabbit Monoclonal Antibody

Catalog # R011663

### Product Information

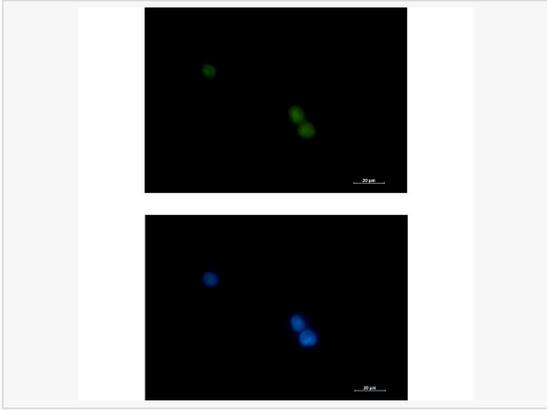
Application	FC, ELISA, WB, IHC-P/IF (Tissue-P), ICC/IF (Cell)
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	28K01M96
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human DNA Polymerase delta, catalytic subunit
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-POLD1 antibody [28K01M96] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

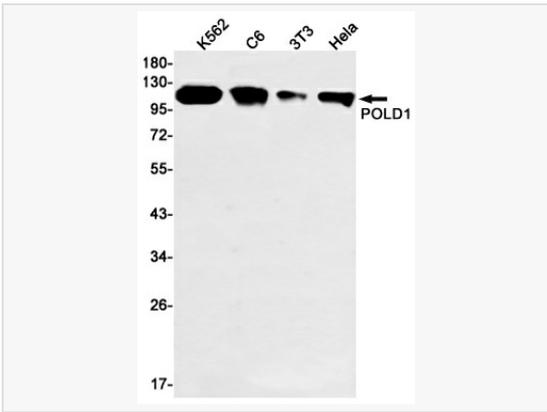
Synonyms	CDC2, CRCS10, MDPL, POLD, POLD1.
Calculated MW	Calculated MW: 124 kDa; Observed MW: 124 kDa
Uniprot ID	P28340
Gene ID	5424
Background	Possesses two enzymatic activities: DNA synthesis (polymerase) and an exonucleolytic activity that degrades single stranded DNA in the 3'- to 5'-direction. Required with its accessory proteins (proliferating cell nuclear antigen (PCNA) and replication factor C (RFC) or activator 1) for leading strand synthesis. Also involved in completing Okazaki fragments initiated by the DNA polymerase alpha/primase complex.

## Validation Images

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Immunocytochemistry analysis of POLD1 (green) in K562 using POLD1 antibody and DAPI (blue) .



Western blot analysis of POLD1 in K562, C6, 3T3, HeLa lysates using POLD1 antibody.