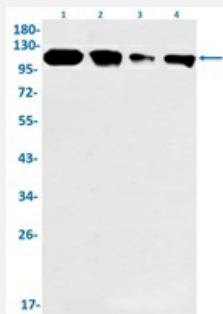


RecomAb™

POLD1 recombinant monoclonal antibody, clone R05-3H1

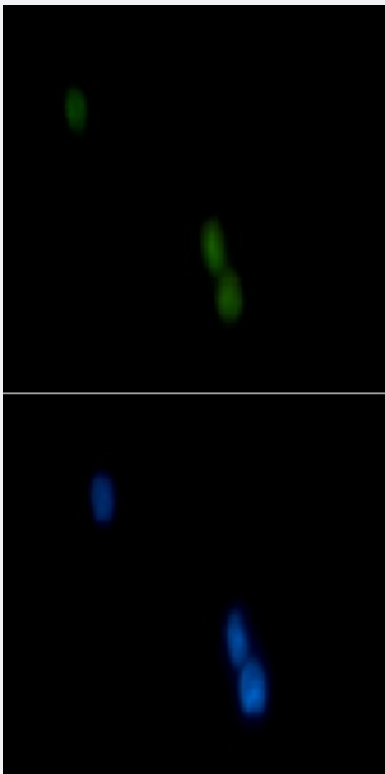
Catalog # RAB01717 Size 100 uL

Applications



Western Blot

Western blot analysis of POLD1 in K562, C6, 3T3, HeLa lysates using human POLD1 recombinant monoclonal antibody, clone R05-3H1 (Cat # RAB01717).



Immunocytochemistry

Immunocytochemistry analysis of POLD1 (green) in K562 using human POLD1 recombinant monoclonal antibody, clone R05-3H1 (Cat # RAB01717), and DAPI (blue).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human DNA Polymerase delta, catalytic subunit.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human DNA Polymerase delta, catalytic subunit
Theoretical MW (kDa)	Calculated MW: 124 k
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence (1:50-1:200) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of POLD1 in K562, C6, 3T3, HeLa lysates using human POLD1 recombinant monoclonal antibody, clone R05-3H1 (Cat # RAB01717).

- Immunocytochemistry

Immunocytochemistry analysis of POLD1 (green) in K562 using human POLD1 recombinant monoclonal antibody, clone R05-3H1 (Cat # RAB01717), and DAPI(blue).

Gene Info — POLD1

Entrez GeneID [5424](#)

Protein Accession# [P28340](#)

Gene Name	POLD1
Gene Alias	CDC2, POLD
Gene Description	polymerase (DNA directed), delta 1, catalytic subunit 125kDa
Omim ID	174761
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	CDC2 homolog DNA-directed polymerase delta 1 polymerase (DNA directed), delta 1, catalytic subunit (125kD)

Pathway

- [Base excision repair](#)
- [DNA replication](#)
- [Homologous recombination](#)
- [Metabolic pathways](#)
- [Mismatch repair](#)
- [Nucleotide excision repair](#)
- [Purine metabolism](#)
- [Pyrimidine metabolism](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [DNA Damage](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Pulmonary Disease](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)