Rabbit anti-Human, Mouse PolD1 Polyclonal Antibody | anti-POLD1 antibody

Rabbit anti-PolD1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212444	**Rabbit**	**Human, Mouse**	**Immunoprecipitation, Western Blot**

PRODUCT SYNONYMS

PolD1; Polyclonal Antibody; Rabbit anti-PolD1 Antibody; Affinity Purified; DNA polymerase subunit delta p125; polymerase (DNA) delta 1; catalytic subunit; polymerase (DNA directed); delta 1; catalytic subunit 125kDa; MDPL; DNA polymerase delta catalytic subunit; CRCS10; CDC2 homolog; CDC2; POLD; DNA polymerase delta 1; anti-POLD1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-POLD1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine, Golden hamster
Immunogen	Between 950 and 1000
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES

WB (Western Blot)
Detection of human and mouse PolD1 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, Jurkat, TCMK-1, and NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PolD1 antibody AAA212444 (lot AAA212444-2) used for WB at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

IP (Immunoprecipitation)
Detection of human PolD1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PolD1 antibody AAA212444 (lot AAA212444-2) used for IP at 6 ug per reaction. PolD1 was also immunoprecipitated by a previous lot of this antibody (lot AAA212444-1). For blotting immunoprecipitated PolD1, AAA212444 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-POLD1 antibody	DNA polymerase delta catalytic subunit (PolD1) is the 125-kDa catalytic subunit of DNA polymerase delta. DNA polymerase delta possesses both polymerase and 3' to 5' exonuclease activity and plays a critical role in DNA replication and repair [taken from NCBI Entrez Gene (Gene ID: 5424)].

Product Categories/Family for anti-POLD1 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	156616275
NCBI GeneID	5424
NCBI Accession #	NP_002682.2
NCBI GenBank Nucleotide #	NM_002691.3
UniProt Accession #	P28340; Q8NER3; Q96H98
Molecular Weight	123,631 Da
NCBI Official Full Name	DNA polymerase delta catalytic subunit
NCBI Official Synonym Full Names	polymerase (DNA directed), delta 1, catalytic subunit
NCBI Official Symbol	POLD1
NCBI Official Synonym Symbols	CDC2; MDPL; POLD; CRCS10
NCBI Protein Information	DNA polymerase delta catalytic subunit; CDC2 homolog; DNA polymerase subunit delta p125; polymerase (DNA directed), delta 1, catalytic subunit 125kDa
UniProt Protein Name	DNA polymerase delta catalytic subunit
UniProt Gene Name	**POLD1**
UniProt Synonym Gene Names	POLD
UniProt Entry Name	DPOD1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/polyclonal/pold1-antibody-immunoprecipitation-western-blot-elisa/212444