

DNAXPab

Hard-to-Find
Antibody

POLD1 DNAXPab

Catalog # H00005424-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human POLD1 DNA using DNAX™ Immune technology.

Technology [DNAX™ Immune](#)

Immunogen Full-length human DNA

Sequence

MDGKRRPGPGVPPKRARGGLWDDDDAPRPSQFEEDLALMEEMEAHRLQEQQEEEELQSV
 LEGVADGQVPPSAIDPRWL RPTPPALDPQTEPLIFQQLEIDHYVGPAQPVPGGPPPSHGSPVLR
 AFGVTDEGFSVCCHIHGFAPYFYTPAPPGFGPEHMGDLQRELNLAISRDSRGGRELTGPAVLAVE
 LCSRESMFGYHGHGSPFLRITVALPRLVAPARRLLEQGIRVAGLGTPSFAPYEANVDFEIRFMVD
 TDIVGCNWLELPAGKYALRLKEKATQCQLEADVLSWSDVVSHPPEGPWQRIAPLRVLSFDIECAG
 RKGIFPEPERDPVIQICSLGLRWGEPEPFLRLALTLRPCAPILGAKVQSYEKEEDLLQAWSTFIRIM
 DPDVITGYNIQNFDPYLISRAQTLKVQTFPFLGRVAGLCSNIRDSSFQSKQTGRRDTKVVS MVGR
 VQMDMLQVLLREYKLRSYTLNAV SFHFLGEQKEDVQHSIITDLQNGNDQTRRR LAYCLKDAYLPL
 RLLERLMVLVNAVEMARVTGVPLSYLLSRGQQVKVVSQLLRQAMHEGLLMPVVKSEGGEDYTG
 ATVIEPLKGYDVP IATLDFSSLYPSIMMAHNL CYTTLLRPGTAQKLGLTEDQFIRTPTGDEFVKTSV
 RKGLLPQILENLLSARKRAKAE LAKETDPLRRQVLDGRQLALKVSANSVYGFTGAQVGKLPCL EIS
 QSVTGFGRQMIEKTKQLVESKYTVENGYSTSAKVYGD TDSVMCRFGVSSVAEAMALGREAAD
 WWSGHFSPSPIRLEFEKVYFPYLLISKRYAGLLFSSRPDAHDRMDCKGLEAVRRDNCPLVANLVT
 ASLRRLIDRDPEGAVAH AQDVISDLLCNRIDISQLVITKELTRAASDYAGKQAHVELAERMKRDP
 GSAPSLGDRVPYVIISAAKGVAAYMKSEDPLFVLEHSLPIDTQYYLEQQ LAKPLLRIFEPILGEGRAE
 AVLLRGDHTRCTVLTGKVGGLLAFAKRRNCCIGCRTVLSHQGAVCEFCQPRESELYQKEVSHL
 NALEERFSRLWTQCQRCQGS LHEDVICTSRDCPIFYMRKKVRKDLEDQEQLLRRFGPPGPEAW

Host Rabbit

Reactivity Human

Purification Protein A

Quality Control Testing Antibody reactive against mammalian transfected lysate.

Storage Buffer In 1x PBS, pH 7.4

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — POLD1

Entrez GeneID	5424
GeneBank Accession#	BC008800.1
Protein Accession#	AAH08800.1
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 (125kDa)

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](#)