# POLD3 polyclonal antibody

Catalog # PAB29475 Size 100 uL

## Applications



### Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human stomach tissue with POLD3 polyclonal antibody (Cat# PAB29475) shows strong nuclear positivity in glandular cells.



### Immunofluorescence

Immunofluorescent staining of U-251 MG cells with POLD3 polyclonal antibody (Cat# PAB29475) under 1-4 ug/mL working concentration shows positivity in nucleus. Antibody staining is shown in green.

Specification	
Product Description	POLD3 polyclonal antibody raised against recombinant human POLD3.
Immunogen	Recombinant protein corresponding to amino acids of human POLD3.
Sequence	SVTEPKLATPAGLKKSSKKAEPVKVLQKEKKRGKRVALSDDETKETENMRKKRRRIKLPESDSS EDEVFPDSPGAY

🗑 Abnova

### **Product Information**

Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Antigen affinity purification
lsotype	lgG
Recommend Usage	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. 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 shoul d be handled by trained staff only.

## Applications

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Gene Info — POLD3	
Entrez GenelD	<u>10714</u>
Protein Accession#	<u>Q15054</u>
Gene Name	POLD3
Gene Alias	KIAA0039, MGC119642, MGC119643, P66, P68
Gene Description	polymerase (DNA-directed), delta 3, accessory subunit
Omim ID	<u>611415</u>



## **Product Information**

Gene Ontology	Hyperlink
Gene Summary	The DNA polymerase delta complex is involved in DNA replication and repair, and it consists of th e proliferating cell nuclear antigen (PCNA; MIM 176740), the multisubunit replication factor C (see MIM 102579), and the 4 subunit polymerase complex: POLD1 (MIM 174761), POLD2 (MIM 6008 15), POLD3, and POLD4 (MIM 611525) (Liu and Warbrick, 2006 [PubMed 16934752]).[supplied by OMIM
Other Designations	DNA polymerase delta, subunit 3 polymerase (DNA directed), delta 3

## Pathway

- Base excision repair
- DNA replication
- Homologous recombination
- Metabolic pathways
- Mismatch repair
- Nucleotide excision repair
- Purine metabolism
- Pyrimidine metabolism

### Disease

Urinary Bladder Neoplasms