

# POLD4 rabbit monoclonal antibody

Catalog # H00057804-K

Size 100 ug x up to 3

## Specification

<b>Product Description</b>	Rabbit monoclonal antibody raised against a human POLD4 peptide using ARM Technology.
<b>Immunogen</b>	A synthetic peptide of human POLD4 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
<b>Host</b>	Rabbit
<b>Library Construction</b>	Non-fusion antibody library from rabbit spleen ( <a href="#">ARM Technology</a> ).
<b>Expression</b>	Overexpression vector and transfection into 293H cell line.
<b>Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Isotype</b>	IgG
<b>Quality Control Testing</b>	Antibody reactive against human POLD4 peptide by ELISA and mammalian transfected lysate by Western Blot.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Deliverable</b>	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
<b>Note</b>	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) <sub>2</sub> , IgG, scFv and different Fc and non-Fc conjugates per customer request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

## Gene Info — POLD4

Entrez GeneID	<a href="#">57804</a>
GeneBank Accession#	<a href="#">POLD4</a>
Gene Name	POLD4
Gene Alias	POLDS, p12
Gene Description	polymerase (DNA-directed), delta 4
Omim ID	<a href="#">611525</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 (MIM 174761), POLD2 (MIM 600815), POLD3 (MIM 611415), and POLD4 (Liu and Warbrick, 2006 [PubMed 16934752]).[supplied by OMIM]
Other Designations	DNA polymerase delta smallest subunit p12

## Pathway

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