



## Anti-POLE3 (aa 1-100) polyclonal antibody (DPABH-21639)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	Forms a complex with DNA polymerase epsilon subunit CHRAC1 and binds naked DNA, which is then incorporated into chromatin, aided by the nucleosome-remodeling activity of ISWI/SNF2H and ACF1.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human DNA Polymerase epsilon.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, WB
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	pH: 7.40; Constituent: PBS
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

# GENE INFORMATION

<b>Gene Name</b>	<a href="#">POLE3 polymerase (DNA directed), epsilon 4, accessory subunit [ Homo sapiens ]</a>
<b>Official Symbol</b>	POLE3
<b>Synonyms</b>	POLE3; polymerase (DNA directed), epsilon 3, accessory subunit; p17; YBL1; CHRAC17; CHARAC17; DNA polymerase epsilon subunit 3; asTP; CHRAC-17; huCHRAC17; DNA polymerase II subunit 3; histone fold protein CHRAC17; arsenic transactivated protein; arsenic-transactivated protein; DNA polymerase epsilon p17 subunit; DNA polymerase epsilon subunit p17; chromatin accessibility complex 17 kDa protein; polymerase (DNA directed), epsilon 3 (p17 subunit);
<b>Entrez Gene ID</b>	<a href="#">54107</a>
<b>Protein Refseq</b>	<a href="#">NP_001265184.1</a>
<b>UniProt ID</b>	<a href="#">A0A024R829</a>
<b>Pathway</b>	Base excision repair; DNA polymerase epsilon complex; DNA replication; HTLV-I infection
<b>Function</b>	DNA-directed DNA polymerase activity; protein binding; protein heterodimerization activity; sequence-specific DNA binding