



Anti-POLE4 (aa 31-117) polyclonal antibody (DPAB-DC2525)

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

PRODUCT INFORMATION

Antigen Description	POLE4 is a histone-fold protein that interacts with other histone-fold proteins to bind DNA in a sequence-independent manner. These histone-fold protein dimers combine within larger enzymatic complexes for DNA transcription, replication, and packaging.[supplied by OMIM, Apr 2004]
Immunogen	POLE4 (NP_063949, 31 a.a. ~ 117 a.a) partial recombinant protein with GST tag. The sequence is TSVPGARLSRLPLARVKALVKADPDVTLAGQEAFILARAAELFVETIAKDAYCCAQQGK RKTLQRRDLDNAIEAVDEFAFLEGTLD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [POLE4 polymerase \(DNA-directed\), epsilon 4, accessory subunit \[Homo sapiens \(human\) \]](#)

Official Symbol	POLE4
Synonyms	POLE4; polymerase (DNA-directed), epsilon 4, accessory subunit; p12; YHHQ1; DNA polymerase epsilon subunit 4; DNA polymerase II subunit 4; DNA polymerase epsilon p12 subunit; DNA polymerase epsilon subunit p12; polymerase (DNA-directed), epsilon 4 (p12 subunit);
Entrez Gene ID	56655
Protein Refseq	NP_063949
UniProt ID	Q9NR33
Chromosome Location	2p12
Pathway	Base excision repair; DNA polymerase epsilon complex; DNA replication; HTLV-I infection
Function	DNA-directed DNA polymerase activity; protein binding; protein heterodimerization activity; sequence-specific DNA binding