



Anti-POLE2 (aa 1-100) polyclonal antibody (DPAB-DC2314)

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

PRODUCT INFORMATION

Antigen Description	POLE2 (polymerase (DNA directed), epsilon 2, accessory subunit) is a protein-coding gene. Diseases associated with POLE2 include colorectal cancer, and among its related super-pathways are Telomere C-strand (Lagging Strand) Synthesis and Mitotic G1-G1/S phases. GO annotations related to this gene include DNA binding and DNA-directed DNA polymerase activity.
Immunogen	POLE2 (NP_002683, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. The sequence is MAPERLRSRALSAFKLRGLLLRGEAIKYLTEALQSISELELEDKLEKIINAVEKQPLSSN MIERSVVEAAVQECSQSVDETIEHVFNIIGAFDIPRFVYN
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	POLE2 polymerase (DNA directed), epsilon 2, accessory subunit [Homo sapiens (human)]
Official Symbol	POLE2
Synonyms	POLE2; polymerase (DNA directed), epsilon 2, accessory subunit; DPE2; DNA polymerase epsilon subunit 2; DNA polymerase II subunit 2; DNA polymerase epsilon subunit B; polymerase (DNA directed), epsilon 2 (p59 subunit);
Entrez Gene ID	5427
Protein Refseq	NP_001184259
UniProt ID	P56282
Chromosome Location	14q21-q22
Pathway	Activation of the pre-replicative complex; Base excision repair; Cell Cycle, Mitotic; DNA Repair
Function	DNA binding; DNA-directed DNA polymerase activity;