



Anti-POLA1 polyclonal antibody (DPAB-DC2309)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes the catalytic subunit of DNA polymerase, which together with a regulatory and two primase subunits, forms the DNA polymerase alpha complex. The catalytic subunit plays an essential role in the initiation of DNA replication.
Specificity	POLA1 polyclonal antibody detects endogenous levels of POLA1 protein.
Immunogen	A synthetic peptide corresponding to POLA1.
Source/Host	Rat
Species Reactivity	Human
Purification	Antigen affinity purification
Conjugate	Unconjugated
Applications	WB (Cell lysate),
Format	Liquid
Concentration	1 mg/mL
Size	100 µl
Buffer	In PBS, pH 7.2 (15 mM sodium azide)
Preservative	15mM Sodium Azide
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	POLA1 polymerase (DNA directed), alpha 1, catalytic subunit [Homo sapiens (human)]
Official Symbol	POLA1
Synonyms	POLA1; polymerase (DNA directed), alpha 1, catalytic subunit; NSX; POLA; p180; DNA polymerase alpha catalytic subunit; DNA polymerase alpha p180 subunit; polymerase (DNA-directed), alpha (70kD); DNA polymerase alpha 1 catalytic subunit; DNA polymerase alpha catalytic subunit p180; N syndrome (mental retardation, malformations, chromosome breakage);
Entrez Gene ID	5422
Protein Refseq	NP_058633
UniProt ID	P09884
Chromosome Location	Xp22.1-p21.3
Pathway	Activation of the pre-replicative complex; Cell Cycle, Mitotic; DNA Replication; DNA polymerase alpha / primase complex
Function	3-5 exonuclease activity; 4 iron, 4 sulfur cluster binding; DNA binding; contributes_to DNA primase activity