
Product Name: DNA pol α Rabbit Polyclonal Antibody**Catalog #: APRab10053**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Rat,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	165kDa

Antigen Information

Gene Name	POLA1
Alternative Names	POLA1; POLA; DNA polymerase alpha catalytic subunit; DNA polymerase alpha catalytic subunit p180
Gene ID	5422.0
SwissProt ID	P09884
Immunogen	The antiserum was produced against synthesized peptide derived from human DNA Polymerase alpha. AA range:81-130

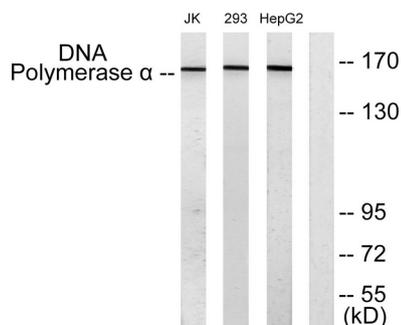
Background

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. [provided by RefSeq, Mar 2010],catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1).,function:Polymerase alpha in a complex with DNA primase is a replicative polymerase.,miscellaneous:In eukaryotes there are five DNA polymerases: alpha, beta, gamma, delta, and epsilon which are responsible for different reactions of DNA synthesis.,PTM:A 165 kDa form is probably produced by proteolytic cleavage at Lys-124.,similarity:Belongs to the DNA polymerase type-B family.,subunit:Interacts with SV40 Large T antigen; this interaction allows viral DNA replication.,

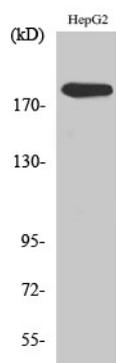
Research Area

Purine metabolism;Pyrimidine metabolism;DNA replication;

Image Data



Western blot analysis of lysates from HepG2, 293, and Jurkat cells, using DNA Polymerase alpha Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using DNA pol alpha Polyclonal Antibody diluted at 1: 1000.