antibodies - online.com







anti-POLK antibody (AA 817-830)



Image



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Quantity:	100 μg	
Target:	POLK	
Binding Specificity:	AA 817-830	
Reactivity:	Human	
Host:	Goat	
Clonality:	Polyclonal	
Conjugate:	This POLK antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA	
Product Details		
Immunogen:	This affinity-purified antibody was prepared from whole goat serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 817-830 of Human POLK (polymerase (DNA directed) kappa).	
Isotype:		
.55.7 55.	IgG	
Characteristics:	IgG Concentration Definition: by UV absorbance at 280 nm	
Characteristics:		
Characteristics: Target Details	Concentration Definition: by UV absorbance at 280 nm	
Characteristics: Target Details Target:	Concentration Definition: by UV absorbance at 280 nm POLK	

DNA polymerases cannot proceed and DNA synthesis stalls. Depending on the context, it inserts the correct base, but causes frequent base transitions, transversions and frameshifts. POLK lacks 3'-5' proofreading exonuclease activity. POLK is a nuclear protein that binds to REV1L and PCNA. POLK is detected throughout the nucleus and at replication foci. Multiple alternative splice variants have been detected for this protein. POLK is found at low levels in testis, spleen, prostate and ovary and at very low levels in kidney, colon, brain, heart, liver, lung, placenta, pancreas and peripheral blood leukocytes.

Synonyms: DinB homolog 1 (E. coli) antibody, DINB protein antibody, DINB1 antibody, DINP

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Gene ID: 51426, 59798438

UniProt: Q9UBT6

Pathways: DNA Damage Repair

Application Details

Application Notes: This affinity purified antibody has been tested for use in ELISA and western blot. Specific

conditions for reactivity should be optimized by the end user. Expect a band \sim 98.8 kDa in size corresponding to POLK by western blotting in the appropriate cell lysate or extract. Splice

variants for this protein may show molecular weights of 89.0 and 76.4 kDa.

Restrictions: For Research Use only

Handling

Format:	Liquid	
Concentration:	1.4 mg/mL	
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2	
Preservative:	Sodium azide	

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

should be handled by trained staff only.

Storage: -20 °C



Western Blotting

Image 1. Western blot using Affinity Purified anti-POLK antibody shows detection of a band ~98 kDa human POLK corresponding to (arrowhead). Approximately 35 µg of a HeLa whole cell lysate was separated by 4-20% SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1,000. Reaction occurred overnight at 4° followed by washes and reaction with a 1:20,000 dilution of800 conjugated Rb-a-Goat IgG [H&L] MXHu for 45 min at room temperature.800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.