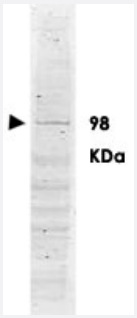
POLK polyclonal antibody

Catalog # PAB11246 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot using POLK polyclonal antibody (Cat # PAB11246) shows detection ofa band ~98 KDa corresponding to human POLK (arrowhead). Approximately 35 ug of a HeLa whole cell lysate was separated by 4-20% SDS-PAGE and transferred onto nitrocellulose.
After blocking the membrane was probed withthe primary antibody diluted to 1 : 1,000.
Reaction occurred overnight at 4°C followed bywashes and reaction with a 1 : 20,000 dilution of IRDye™800 conjugated Rb-a-Goat IgG [H&L] MXHu for 45 min at roomtemperature.
IRDye™800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR.
IRDyeis a trademark of LI-COR, Inc.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of POLK.
Immunogen	A synthetic peptide corresponding to amino acids 817-830 of human POLK.
Host	Goat
Reactivity	Chimpanzee, Human, Mouse, Orangutan
Specificity	Expect reactivity with multiple splice variants of this protein.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.

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Recommend Usage	ELISA (1:2000-1:10000) Western Blot (1:500-1:3000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

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Gene Info — POLK

Entrez GeneID	51426
Protein Accession#	Q9UBT6
Gene Name	POLK
Gene Alias	DINB1, DINP, POLQ
Gene Description	polymerase (DNA directed) kappa
Omim ID	605650
Gene Ontology	Hyperlink
Other Designations	DINB protein|DNA polymerase kappa|other name:POLK|polymerase (DNA-directed) kappa

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Publication Reference

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- Crystal structure of the catalytic core of human DNA polymerase kappa.

  Uljon SN, Johnson RE, Edwards TA, Prakash S, Prakash L, Aggarwal AK.

  Structure 2004 Aug; 12(8):1395.

- A mechanism for the exclusion of low-fidelity human Y-family DNA polymerases from base excision repair.

  Haracska L, Prakash L, Prakash S.

  Genes & Development 2003 Nov; 17(22):2777.

Disease

- Carcinoma
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Lung carcinoma
- Lung Neoplasms
- Tobacco Use Disorder
- Urinary Bladder Neoplasms

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