

产品名称: DNA pol λ Rabbit Polyclonal Antibody
产品货号: APRab10064



产品概述 (Summary)

产品名称 (Production Name)	DNA pol λ Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	POLL
别名 (Alternative Names)	POLL; DNA polymerase lambda; Pol Lambda; DNA polymerase beta-2; Pol beta2; DNA polymerase kappa
基因 ID (Gene ID)	27343.0
蛋白 ID (SwissProt ID)	Q9UGP5.The antiserum was produced against synthesized peptide derived from human DNA Polymerase lambda. AA range:451-500

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	63kDa

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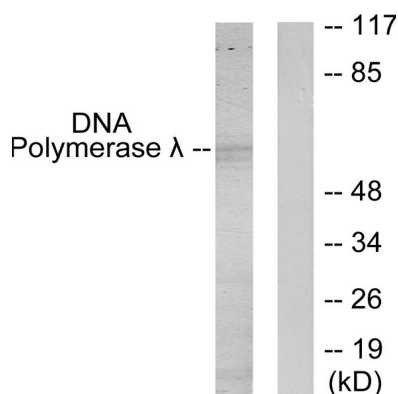
研究背景 (Background)

This gene encodes a DNA polymerase. DNA polymerases catalyze DNA-template-directed extension of the 3'-end of a DNA strand. This particular polymerase, which is a member of the X family of DNA polymerases, likely plays a role in non-homologous end joining and other DNA repair processes. Alternatively spliced transcript variants have been described. [provided by RefSeq, Mar 2010], catalytic activity: Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1), cofactor: Manganese, function: Repair polymerase. Involved in base excision repair (BER) responsible for repair of lesions that give rise to abasic (AP) sites in DNA. Has both DNA polymerase and terminal transferase activities. Has a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity, PTM: Phosphorylated upon DNA damage, probably by ATM or ATR, similarity: Belongs to the DNA polymerase type-X family, similarity: Contains 1 BRCT domain, subunit: Binds PCNA, tissue specificity: Expressed in a number of tissues. Abundant in testis,

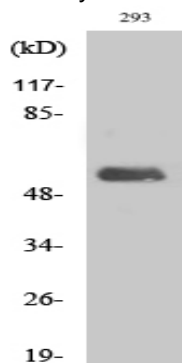
研究领域 (Research Area)

Base excision repair; Non-homologous end-joining;

图片 (Image Data)

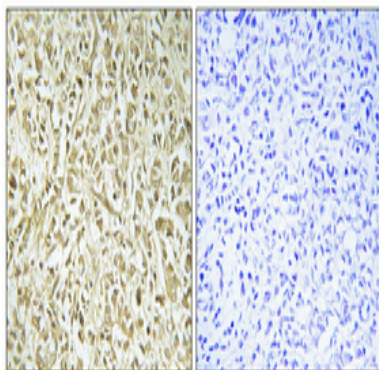


Western blot analysis of lysates from 293 cells, using DNA Polymerase lambda Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using DNA pol λ Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .

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Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°,overnight) .
High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtaned from
antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .