

产品名称: DNA pol β Rabbit Polyclonal Antibody
产品货号: APRab10054



产品概述 (Summary)

产品名称 (Production Name)	DNA pol β 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)	POLB
别名 (Alternative Names)	POLB; DNA polymerase beta
基因 ID (Gene ID)	5423.0
蛋白 ID (SwissProt ID)	P06746.The antiserum was produced against synthesized peptide derived from human DNA Polymerase beta. AA range:286-335

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)	38kDa

研究背景 (Background)

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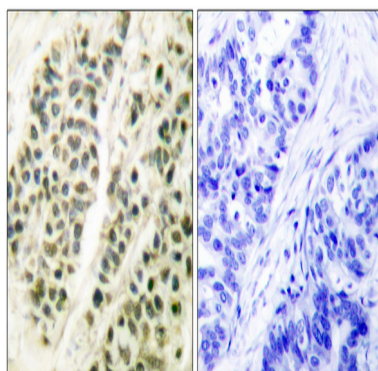


The protein encoded by this gene is a DNA polymerase involved in base excision and repair, also called gap-filling DNA synthesis. The encoded protein, acting as a monomer, is normally found in the cytoplasm, but it translocates to the nucleus upon DNA damage. Several transcript variants of this gene exist, but the full-length nature of only one has been described to date. [provided by RefSeq, Sep 2011], catalytic activity: Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1), cofactor: Binds 2 magnesium ions per subunit, domain: Residues 239-252 form a flexible loop which appears to affect the polymerase fidelity, function: Repair polymerase. Conducts "gap-filling" DNA synthesis in a stepwise distributive fashion rather than in a processive fashion as for other DNA polymerases. Has a 5'-deoxyribose-5-phosphate lyase (dRP lyase) activity, PTM: Methylation by PRMT6 stimulates the polymerase activity by enhancing DNA binding and processivity, similarity: Belongs to the DNA polymerase type-X family, subunit: Monomer,

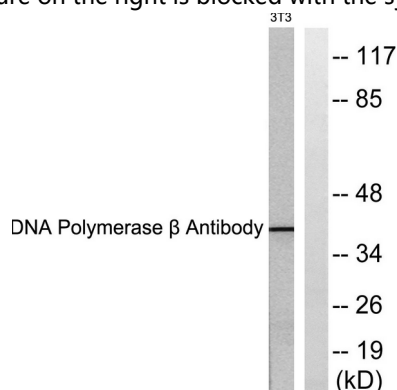
研究领域 (Research Area)

Base excision repair;

图片 (Image Data)

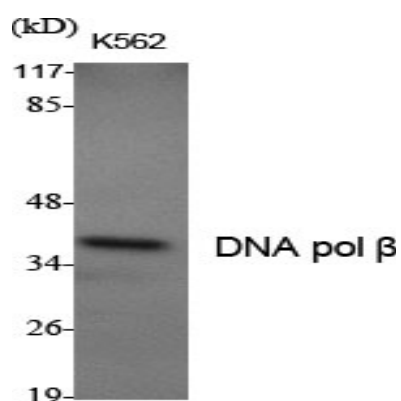


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using DNA Polymerase beta Antibody. The picture on the right is blocked with the synthesized peptide.

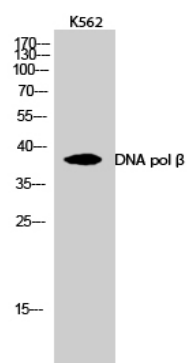


Western blot analysis of lysates from NIH/3T3 cells, using DNA Polymerase beta Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using DNA pol β Polyclonal Antibody



Western Blot analysis of K562 cells using DNA pol β Polyclonal Antibody

注意事项 (Note)

For research use only .