

产品名称: DNA pol ε A Rabbit Polyclonal Antibody
产品货号: APRab10059



产品概述 (Summary)

产品名称 (Production Name)	DNA pol ε A Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, 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)	POLE
别名 (Alternative Names)	POLE; POLE1; DNA polymerase epsilon catalytic subunit A; DNA polymerase II subunit A
基因 ID (Gene ID)	5426.0
蛋白 ID (SwissProt ID)	Q07864. The antiserum was produced against synthesized peptide derived from human POLE1. AA range: 1261-1310

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:100-1:300, ICC/IF 1:50-1:200, ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	

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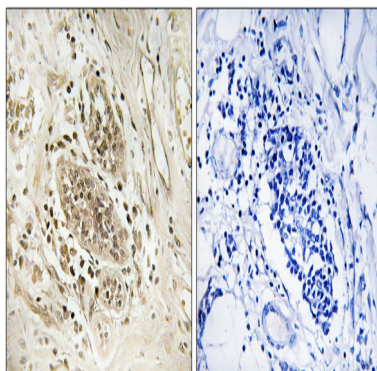
研究背景 (Background)

DNA polymerase epsilon, catalytic subunit(POLE) Homo sapiens This gene encodes the catalytic subunit of DNA polymerase epsilon. The enzyme is involved in DNA repair and chromosomal DNA replication. Mutations in this gene have been associated with colorectal cancer 12 and facial dysmorphism, immunodeficiency, livedo, and short stature. [provided by RefSeq, Sep 2013],catalytic activity:Deoxynucleoside triphosphate + DNA(n) = diphosphate + DNA(n+1),.domain:The DNA polymerase activity domain resides in the N-terminal half of the protein, while the C-terminus is necessary for complexing subunits B and C. The C-terminus may also regulate the catalytic activities of the enzyme.,function:Participates in DNA repair and in chromosomal DNA replication.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the DNA polymerase type-B family.,subunit:Consists of two subunits (258 kDa and 55 kDa). Interacts with RAD17 and TOPBP1.,

研究领域 (Research Area)

Purine metabolism;Pyrimidine metabolism;DNA replication;Base excision repair;Nucleotide excision repair;

图片 (Image Data)



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using POLE1 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .