

产品名称: DNA Ligase III Rabbit Polyclonal Antibody
产品货号: APRab10048



产品概述 (Summary)

产品名称 (Production Name)	DNA Ligase III Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,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)	LIG3
别名 (Alternative Names)	LIG3; DNA ligase 3; DNA ligase III; Polydeoxyribonucleotide synthase [ATP] 3
基因 ID (Gene ID)	3980.0
蛋白 ID (SwissProt ID)	P49916.Synthesized peptide derived from DNA Ligase III . at AA range: 110-190

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	100kDa

研究背景 (Background)

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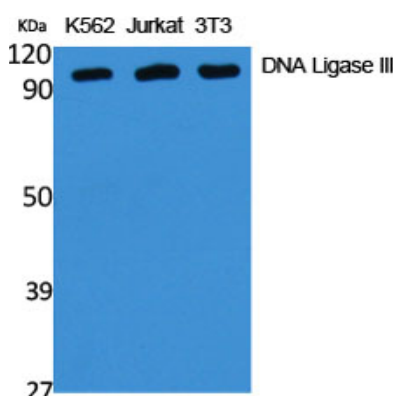


This gene is a member of the DNA ligase family. Each member of this family encodes a protein that catalyzes the joining of DNA ends but they each have a distinct role in DNA metabolism. The protein encoded by this gene is involved in excision repair and is located in both the mitochondria and nucleus, with translation initiation from the upstream start codon allowing for transport to the mitochondria and translation initiation from a downstream start codon allowing for transport to the nucleus. Additionally, alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],catalytic activity:ATP + (deoxyribonucleotide)(n) + (deoxyribonucleotide)(m) = AMP + diphosphate + (deoxyribonucleotide)(n+m),cofactor:Magnesium,.,function:Interacts with DNA-repair protein XRCC1 and can correct defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents,online information:DNA ligase entry,similarity:Belongs to the ATP-dependent DNA ligase family,.,similarity:Contains 1 BRCT domain,.,similarity:Contains 1 PARP-type zinc finger,.,tissue specificity:Testis, thymus, prostate and heart,.

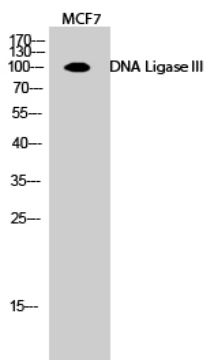
研究领域 (Research Area)

Base excision repair;

图片 (Image Data)



Western Blot analysis of various cells using DNA Ligase III Polyclonal Antibody diluted at 1: 1000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .



Western Blot analysis of MCF7 cells using DNA Ligase III Polyclonal Antibody diluted at 1: 1000 cells nucleus extracted by

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注意事项 (Note)

For research use only .