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DNA Ligase IV Rabbit pAb

货号: **AYP11461**

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: Homo sapiens
应用	WB IHC
推荐浓度	WB: 1:500 - 1:1000 IHC: 1:50 - 1:200
理论分子量	103kDa
实测分子量	110KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	PC-3
细胞定位	Nucleus
纯化	Affinity purification

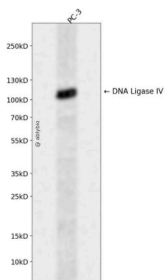
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human DNA Ligase IV (NP_002303.2).
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靶点信息

研究背景	The protein encoded by this gene is a DNA ligase that joins single-strand breaks in a double-stranded pol ydeoxynucleotide in an ATP-dependent reaction. This protein is essential for V(D)J recombination and DNA double-strand break (DSB) repair through nonhomologous end joining (NHEJ). This protein forms a comple x with the X-ray repair cross complementing protein 4 (XRCC4), and further interacts with the DNA-depen dent protein kinase (DNA-PK). Both XRCC4 and DNA-PK are known to be required for NHEJ. The crystal str ucture of the complex formed by this protein and XRCC4 has been resolved. Defects in this gene are the cause of LIG4 syndrome. Alternatively spliced transcript variants encoding the same protein have been o bserved.
基因ID	3981
基因名	LIG4
Swiss	P49917 (https://www.uniprot.org/uniprotkb/P49917/entry)
别名	LIG4,LIG4S,DNA Ligase IV Rabbit pAb,DNA ligase IV,Polydeoxyribonucleotide synthase [ATP] 4

产品验证



Western blot analysis of DNA Ligase IV expressed in PC-3 using DNA Ligase IV Rabbit pAb at 1:1000. Seco ndary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buff er: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

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