

DNA Ligase IV Rabbit pAb

货号: AYP21236

产品信息

反应	Human,Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IF/ICC
推荐浓度	WB: 1:500 - 1:2000 IF/ICC: 1:10 - 1:100
理论分子量	103kDa
实测分子量	100kDa
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	HeLa
细胞定位	Nucleus
纯化	Affinity purification

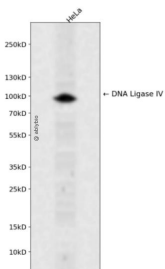
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 612-911 of human DNA Ligase IV (NP_002303.2).
序列	SKHLYIGGDDEPQEKKRKAAPKMKKVIGIIEHLKAPNLTNVNKISNIFEDVEFCVMSGTDSQPKPDLENRIAIEFGGYIVQNPG PDTYCVIAGSENIIRVKNIIILSNKHDVVKPAWLLECFKTKSFVPWQPRFMIHMCPTKEHFAREYDCYGDSYFIDTDLNQLKE VFSGIKNSNEQTPEEMASLIADLEYRYSWDCSPLSMFRRHTVYLDYSYAVINDLSTKNEGTRLAIKALELRFHGAKVVSCLAE GVSHVIIIGEDHSRVADFKAFRRFTKRFKILKESWVTDSDKCELQEENQYLI

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 DN A double-strand break (DSB) repair through nonhomologous end joining (NHEJ). This protein forms a com plex with the X-ray repair cross complementing protein 4 (XRCC4), and further interacts with the DNA-dep endent protein kinase (DNA-PK). Both XRCC4 and DNA-PK are known to be required for NHEJ. The crystal structure of the complex formed by this protein and XRCC4 has been resolved. Defects in this gene are th e cause of LIG4 syndrome. Alternatively spliced transcript variants encoding the same protein have been observed.
基因ID	3981
基因名	LIG4
Swiss	P49917
别名	LIG4;LIG4S

产品验证



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

实验步骤

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