

DNA Ligase IV (18M16) Rabbit Monoclonal Antibody

Catalog# HZ-YMA01681

Product information

产品货号	HZ-YMA01681
别名	LIG4;DNA ligase 4;DNA ligase IV;Polydeoxyribonucleotide synthase [ATP] 4
产品名称	DNA Ligase IV (18M16) Rabbit Monoclonal Antibody
类别	抗体产品
基因名称	LIG4
推荐应用	WB,IHC-P,IF-P,IF-F,IF-ICC,ELISA
反应种属	Human
存储缓冲液	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Human Gene ID	3981
Human Swissprot No.	P49917
稀释度	IHC-P 1:200-1:1000;WB 1:2000-1:10000;IF-P/IF-F/IF-ICC 1:200-1:1000;ELISA 1:5000-1:20000
参考分子量	104kDa
预测分子量	104kDa
运输及保存条件	Biological ice bag transportation. Store at -20℃ for at least 12 months(Do not lower than -25℃). Avoid freeze/thaw cycles
宿主	Rabbit
同种型	IgG,Kappa
背景介绍	The protein encoded by this gene is a DNA ligase that joins single-strand breaks in a double-stranded polydeoxynucleotide 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 complex with the X-ray repair cross complementing protein 4 (XRCC4) , and further interacts with the DNA-dependent 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 the cause of LIG4 syndrome. Alternatively spliced transcript variants encoding the same protein have been observed. [provided by RefSeq , Jul 2008] ,
细胞定位	Nucleus .
纯化	Recombinant Antibody expressed in animal component-free (ACF) media, purified via Protein A affinity chromatography.
Clonality	Monoclonal