

## 兔抗 LIG4 多克隆抗体

中文名称: 兔抗 LIG4 多克隆抗体

英文名称: Anti-LIG4 rabbit polyclonal antibody

别名: DNA ligase 4; LIG4S

抗原: LIG4

储存: 冷冻 (-20℃)

宿主: Rabbit

相关类别: 一抗

反应种属: Human, Mouse

标记物: Unconjugate

克隆类型: rabbit polyclonal

### 技术规格

**Background:**

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.

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|------------------------------------|------------------------------|
| <b>Applications:</b>               | ELISA, IHC                   |
| <b>Name of antibody:</b>           | LIG4                         |
| <b>Immunogen:</b>                  | Fusion protein of human LIG4 |
| <b>Full name:</b>                  | DNA ligase 4                 |
| <b>Synonyms:</b>                   | LIG4S                        |
| <b>SwissProt:</b>                  | P49917                       |
| <b>ELISA Recommended dilution:</b> | 5000-10000                   |
| <b>IHC positive control:</b>       | Human esophagus cancer       |
| <b>IHC Recommend dilution:</b>     | 50-300                       |

