

## Datasheet for ABIN6943922

### **anti-LIG1 antibody**



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#### Overview

|              |                                                                                    |
|--------------|------------------------------------------------------------------------------------|
| Quantity:    | 100 µL                                                                             |
| Target:      | LIG1                                                                               |
| Reactivity:  | Human, Rat                                                                         |
| Host:        | Rabbit                                                                             |
| Clonality:   | Monoclonal                                                                         |
| Conjugate:   | This LIG1 antibody is un-conjugated                                                |
| Application: | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

#### Product Details

|                   |                        |
|-------------------|------------------------|
| Clone:            | 3G2                    |
| Isotype:          | IgG                    |
| Cross-Reactivity: | Human, Rat             |
| Purification:     | Purified by Protein A. |

#### Target Details

|                   |                                                                                                                                                                                                                              |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | LIG1                                                                                                                                                                                                                         |
| Alternative Name: | LIG1 ( <a href="#">LIG1 Products</a> )                                                                                                                                                                                       |
| Background:       | <p>Synonyms: DNA ligase 1, DNA ligase I, Polydeoxyribonucleotide synthase [ATP] 1, LIG1.</p> <p>Background: DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.</p> |

## Target Details

|           |                                                                                                                                               |
|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID:  | 3978                                                                                                                                          |
| UniProt:  | <a href="#">P18858</a>                                                                                                                        |
| Pathways: | <a href="#">Telomere Maintenance</a> , <a href="#">DNA Damage Repair</a> , <a href="#">DNA Replication</a> , <a href="#">Synthesis of DNA</a> |

## Application Details

|                    |                                  |
|--------------------|----------------------------------|
| Application Notes: | WB 1:300-5000<br>IHC-P 1:200-400 |
| Restrictions:      | For Research Use only            |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 1 µg/µL                                                                                                                |
| Buffer:            | Aqueous buffered solution containing 1xTBS ( pH 7.4), 1 % BSA, 40 %Glycerol and 0.05 % Sodium Azide.                   |
| Preservative:      | ProClin                                                                                                                |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.     |
| Storage:           | 4 °C,-20 °C                                                                                                            |
| Storage Comment:   | Store at 4°C for up to 2 weeks. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Expiry Date:       | 12 months                                                                                                              |