

Datasheet for ABIN7449389  
**anti-XRCC1 antibody (pSer461)**



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## Overview

|                      |                                                   |
|----------------------|---------------------------------------------------|
| Quantity:            | 100 µg                                            |
| Target:              | XRCC1                                             |
| Binding Specificity: | pSer461                                           |
| Reactivity:          | Human                                             |
| Host:                | Rabbit                                            |
| Clonality:           | Polyclonal                                        |
| Conjugate:           | This XRCC1 antibody is un-conjugated              |
| Application:         | Western Blotting (WB), Immunohistochemistry (IHC) |

## Product Details

|               |                                                              |
|---------------|--------------------------------------------------------------|
| Purpose:      | Rabbit anti-Phospho XRCC1 (S461) Antibody, Affinity Purified |
| Immunogen:    | surrounding serine 461                                       |
| Isotype:      | IgG                                                          |
| Purification: | Affinity Purified                                            |

## Target Details

|                   |                                                                                                                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | XRCC1                                                                                                                                                                                             |
| Alternative Name: | XRCC1 ( <a href="#">XRCC1 Products</a> )                                                                                                                                                          |
| Background:       | Background: X-ray repair cross-complementing protein 1 (XRCC1) has been identified as a gene that partially rescues a DNA repair defect and therefore plays a role in efficient repair of single- |

## Target Details

|                 |                                                                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                 | stranded breaks in DNA damage caused by ionizing radiation. XRCC1 interacts with human polynucleotide kinase, DNA polymerase-beta, and DNA ligase III in a multiprotein complex to execute the function of DNA repair. |
| Gene ID:        | 7515                                                                                                                                                                                                                   |
| NCBI Accession: | <a href="#">NP_006288</a>                                                                                                                                                                                              |
| UniProt:        | <a href="#">P18887</a>                                                                                                                                                                                                 |
| Pathways:       | <a href="#">DNA Damage Repair</a>                                                                                                                                                                                      |

## Application Details

|                    |                                                                                                                                      |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | IHC: 1:500 - 1:2,000. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections.<br>WB: 1:1,000 - 1:5,000 |
| Restrictions:      | For Research Use only                                                                                                                |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Concentration:     | 1000 µg/mL                                                                                                             |
| Buffer:            | Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide                                                |
| Preservative:      | Sodium azide                                                                                                           |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage:           | 4 °C                                                                                                                   |
| Expiry Date:       | 12 months                                                                                                              |