

## XRCC1 (Phospho Thr284) Rabbit pAb

CatalogNo: YP1744 Orthogonal Validated 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB

#### MW

- 70kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

WB 1:500-2000

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human XRCC1 (Phospho-Thr284)

**Specificity** This antibody detects endogenous levels of XRCC1 (Phospho-Thr284) at Human, Mouse, Rat. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites): PATAP

## Target Information

**Gene name** XRCC1

**Protein Name** XRCC1 (Phospho-Thr284)

Organism	Gene ID	UniProt ID
Human	<a href="#">7515;</a>	<a href="#">P18887;</a>
Mouse	<a href="#">22594;</a>	<a href="#">Q60596;</a>
Rat	<a href="#">84495;</a>	<a href="#">Q9ESZ0;</a>

### Cellular Localization

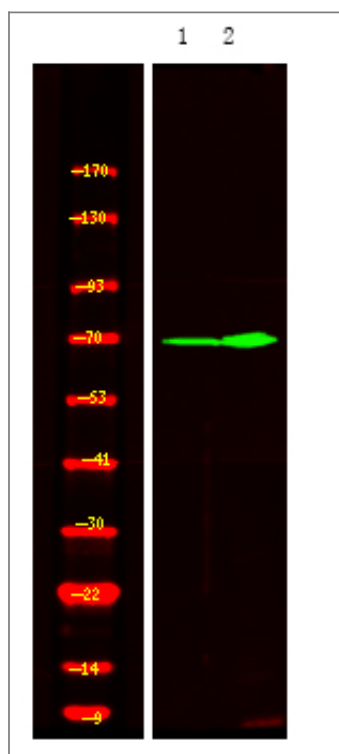
Nucleus . Moves from the nucleoli to the global nuclear chromatin upon DNA damage. .

**Tissue specificity** Expressed in fibroblasts, retinal pigmented epithelial cells and lymphoblastoid cells (at protein level).

### Function

Function:Corrects defective DNA strand-break repair and sister chromatid exchange following treatment with ionizing radiation and alkylating agents.,polymorphism:Carriers of the polymorphic Gln-399 allele may be at greater risk for tobacco- and age-related DNA damage.,PTM:Phosphorylation of Ser-371 causes dimer dissociation. Phosphorylation by CK2 promotes interaction with APTX and APLF.,PTM:Sumoylated.,similarity:Contains 2 BRCT domains.,subcellular location:Accumulates at sites of DNA damage.,subunit:Homodimer. Interacts with polynucleotide kinase (PNK), DNA polymerase-beta (POLB) and DNA ligase III (LIG3). Interacts with APTX and APLF.,

## Validation Data



Western Blot analysis of 1 HeLa cell, 2 LPS 100ng/mL 30min treated ,using primary antibody at 1:1000 dilution. Secondary antibody (catalog#:RS23920) was diluted at 1:10000

## | Contact information

Orders: order@immunoway.com  
Support: tech@immunoway.com  
Telephone: 877-594-3616 (Toll Free), 408-747-0185  
Website: <http://www.immunoway.com>  
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:  
**XRCC1 (Phospho Thr284) Rabbit pAb**

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