

## ERCC1 Polyclonal Antibody

### Description

|                                |   |
|--------------------------------|---|
| <b>Product type</b>            | Primary Antibody  |
| <b>Code</b>                    | BT-AP03045  |
| <b>Host</b>                    | Rabbit  |
| <b>Isotype</b>                 | IgG   |
| <b>Size</b>                    | 20ul, 50ul, 100ul   |
| <b>Immunogen</b>               | The antiserum was produced against synthesized peptide derived from human ERCC1. AA range:141-190 |
| <b>Mol wt</b>                  | 32562   |
| <b>Species reactivity</b>      | Human, Mouse  |
| <b>Clonality</b>               | Polyclonal  |
| <b>Recommended application</b> | WB, IHC-p, ELISA  |
| <b>Concentration</b>           | 1 mg/ml   |
| <b>Full name</b>               | ERCC1 Antibody  |
| <b>Synonyms</b>                | ERCC1; DNA excision repair protein ERCC-1   |

**This product is for research use only, not for use in human, therapeutic or diagnostic procedure.**

### Background

The product of ERCC1 functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. The encoded protein forms a heterodimer with the XPF endonuclease (also known as ERCC4), and the heterodimeric endonuclease catalyzes the 5' incision in the process of excising the DNA lesion. The heterodimeric endonuclease is also involved in recombinational DNA repair and in the repair of inter-strand crosslinks. Mutations in this gene result in cerebrooculofacioskeletal syndrome, and polymorphisms that alter expression of ERCC1 may play a role in carcinogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. The last exon of this gene overlaps with the CD3e molecule, epsilon associated protein gene on the opposite strand.

### Recommended Dilution

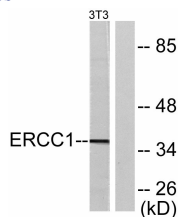
WB: 1: 500 - 1: 2000

IHC: 1: 100 - 1: 300

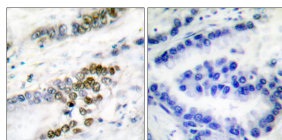
ELISA: 1: 20000

Not yet tested in other applications.

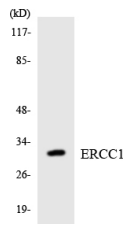
### Images



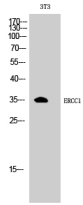
Western blot analysis of lysates from NIH/3T3 cells, using ERCC1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using ERCC1 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HeLa cells using ERCC1 antibody.



Western Blot analysis of 3T3 cells using ERCC1 Polyclonal Antibody cells nucleus.

### Storage

-20°C for one year

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