

## Product datasheet for **TA372359**

### ERCC1 Rabbit Polyclonal Antibody

#### Product data:

|                         |  |
|-------------------------|--|
| Product Type:           | Primary Antibodies   |
| Applications:           | WB   |
| Recommended Dilution:   | WB: 500-2000<br>WB positive control: Jurkat,293T and NIH/3T3 cell,Mouse liver tissue lysates |
| Reactivity:             | Human, Mouse   |
| Host:                   | Rabbit   |
| Isotype:                | IgG  |
| Clonality:              | Polyclonal   |
| Immunogen:              | Synthetic peptide of human ERCC1   |
| Formulation:            | pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol   |
| Concentration:          | lot specific   |
| Purification:           | Antigen affinity purification  |
| Conjugation:            | Unconjugated   |
| Storage:                | Store at -20°C.  |
| Stability:              | 1 year   |
| Predicted Protein Size: | 33 kDa   |
| Gene Name:              | ERCC excision repair 1, endonuclease non-catalytic subunit                                   |
| Database Link:          | <a href="#">Entrez Gene 2067 Human P07992</a>  |



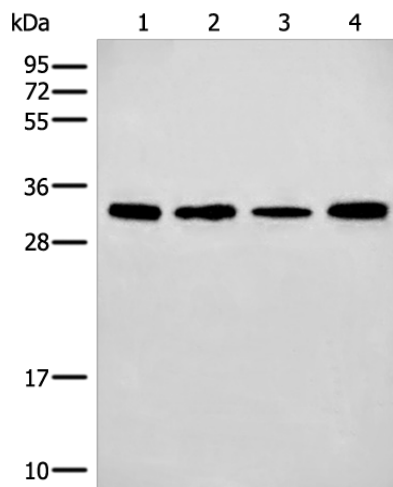
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**Background:**

The product of this gene 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 this gene 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.

**Synonyms:**

COFS4; UV20

**Product images:**

Gel: 12%SDS-PAGE

Lysate: 40 µg

Lane 1-4: Jurkat

293T and NIH/3T3 cell

Mouse liver tissue lysates

Primary antibody: TA372359 (ERCC1 Antibody) at dilution 1/600

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution

Exposure time: 30 seconds