

## Mouse anti-Human ERCC1 Monoclonal Antibody | anti-ERCC1 antibody

ERCC1 Monoclonal Antibody (1B10)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                           |
|-----------|-------|------------|--------------------------------------------------------|
| AAA320429 | Mouse | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

### PRODUCT SYNONYMS

ERCC1; Monoclonal Antibody; ERCC1 Monoclonal Antibody (1B10); DNA excision repair protein ERCC-1; anti-ERCC1 antibody

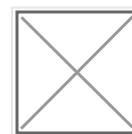
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                            |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| Host                                            | Mouse                                                                                                      |
| Reactivity                                      | Human                                                                                                      |
| Clonality                                       | Monoclonal                                                                                                 |
| Clone Number                                    | 1B10                                                                                                       |
| Specificity                                     | The antibody detects endogenous ERCC1 proteins.                                                            |
| Purity/Purification                             | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |
| Form/Format                                     | PBS, pH 7.4, containing 0.5%BSA, 0.02% sodium azide as Preservative and 50% Glycerol.                      |
| Applicable Applications for anti-ERCC1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                     |
| Immunogen                                       | Synthetic Peptide of ERCC1                                                                                 |
| Modification                                    | Unmodified/Total                                                                                           |
| Preparation and Storage                         | Store at -20 degree C/1 year                                                                               |

### IMAGES



Application Data


**WB (Western Blot)**

Western blot analysis of 1) HeLa. 2) HepG2. 3) 293T. 4) Jurkat. diluted at 1:2000. cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003.Inventbiotech.MN.USA).

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ERCC1 antibody | 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 ge |
| Product Categories/Family for anti-ERCC1 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                 |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 260593725                                                                                                                       |
| NCBI GeneID                      | 2067                                                                                                                            |
| NCBI Accession #                 | NP_001159521.1                                                                                                                  |
| NCBI GenBank Nucleotide #        | NM_001166049.1                                                                                                                  |
| UniProt Accession #              | P07992; Q7Z7F5; Q96S40                                                                                                          |
| Molecular Weight                 | 32,562 Da                                                                                                                       |
| NCBI Official Full Name          | DNA excision repair protein ERCC-1 isoform 3                                                                                    |
| NCBI Official Synonym Full Names | excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence) |
| NCBI Official Symbol             | ERCC1                                                                                                                           |
| NCBI Official Synonym Symbols    | UV20; COFS4; RAD10                                                                                                              |
| NCBI Protein Information         | DNA excision repair protein ERCC-1                                                                                              |
| UniProt Protein Name             | DNA excision repair protein ERCC-1                                                                                              |
| UniProt Gene Name                | ERCC1                                                                                                                           |
| UniProt Entry Name               | ERCC1_HUMAN                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ercc1-antibody-clone-1b10-immunofluorescence-immunohistochemistry-western-blot-elisa/320429>