

**ERCC1 Antibody**  
**Purified Mouse Monoclonal Antibody (Mab)**  
**Catalog # AP52840**

**Specification**

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**ERCC1 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | <b>WB</b>              |
| Primary Accession | <a href="#">P07992</a> |
| Reactivity        | <b>Human</b>           |
| Host              | <b>Mouse</b>           |
| Clonality         | <b>Monoclonal</b>      |
| Isotype           | <b>IgG2b</b>           |
| Calculated MW     | <b>39 KDa</b>          |

**ERCC1 Antibody - Additional Information**

**Gene ID** 2067

**Other Names**

COFS 4;COFS4;DNA excision repair protein ERCC 1;DNA excision repair protein ERCC-1;DNA excision repair protein ERCC1;ERCC 1;ERCC1;ERCC1\_HUMAN;Excision repair cross complementing 1;Excision Repair Cross Complementing Rodent Repair Deficiency Complementation Group 1;Excision repair protein;RAD 10;RAD10;UV 20;UV20.

**Dilution**

WB~~1:1000

**Format**

Purified mouse monoclonal antibody in PBS(pH 7.4) containing with 0.09% (W/V) sodium azide,0.1mg/mlBSA and 50% glycerol.

**Storage**

Store at -20 °C.Stable for 12 months from date of receipt

**ERCC1 Antibody - Protein Information**

**Name** ERCC1

**Function**

[Isoform 1]: Non-catalytic component of a structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair. Responsible, in conjunction with SLX4, for the first step in the repair of interstrand cross-links (ICL). Participates in the processing of anaphase bridge-generating DNA structures, which consist in incompletely processed DNA lesions arising during S or G2 phase, and can result in cytokinesis failure. Also required for homology-directed repair (HDR) of DNA double-strand breaks, in conjunction with SLX4.

**Cellular Location**

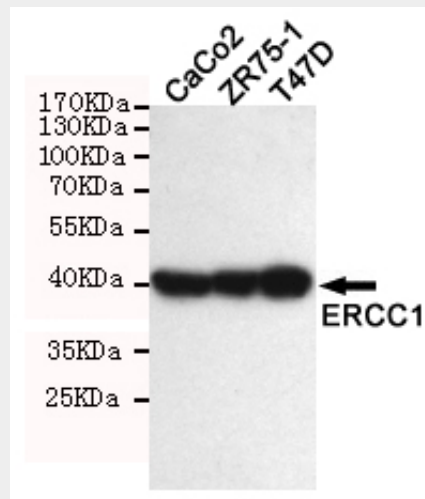
[Isoform 1]: Nucleus [Isoform 3]: Nucleus

## ERCC1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## ERCC1 Antibody - Images



Western blot detection of ERCC1 in T47D,ZR75-1,CaCO2 and Molt-4 cell lysate using ERCC1 mouse mAb (1:1000 diluted). Predicted band size: 39KDa. Observed band size: 39KDa.

## ERCC1 Antibody - Background

Isoform 1: Non-catalytic component of a structure- specific DNA repair endonuclease responsible for the 5'-incision during DNA repair. Responsible, in conjunction with SLX4, for the first step in the repair of interstrand cross-links (ICL). Participates in the processing of anaphase bridge-generating DNA structures, which consist in incompletely processed DNA lesions arising during S or G2 phase, and can result in cytokinesis failure. Also required for homology-directed repair (HDR) of DNA double-strand breaks, in conjunction with SLX4.

## ERCC1 Antibody - References

- van Duin M.,et al.Cell 44:913-923(1986).  
Hoeijmakers J.H.J.,et al.Cold Spring Harb. Symp. Quant. Biol. 51:91-101(1986).  
Yu J.J.,et al.Mutat. Res. 382:13-20(1997).  
Hisatomi H.,et al.Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.  
Ota T.,et al.Nat. Genet. 36:40-45(2004).