

# ERCC1 Antibody (C-term)

Mouse Monoclonal Antibody (Mab)

Catalog # AM2186b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P07992</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgM,k
<b>Clone Names</b>	752CT13.2.5
<b>Calculated MW</b>	32562
<b>Antigen Region</b>	268-297

## Additional Information

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<b>Gene ID</b>	2067
<b>Other Names</b>	DNA excision repair protein ERCC-1, ERCC1
<b>Target/Specificity</b>	This ERCC1 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 268-297 amino acids from the C-terminal region of human ERCC1.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Euglobin precipitation followed by dialysis against PBS.
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	ERCC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	ERCC1
<b>Function</b>	[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

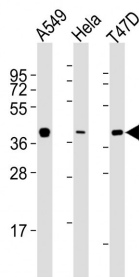
## Background

Structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair.

## 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.  
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

## Images



All lanes : Anti-ERCC1 Antibody (C-term) at 1:2000 dilution  
Lane 1: A549 whole cell lysates Lane 2: HeLa whole cell lysates Lane 3: T47D whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgM, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 33 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.