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ERCC1 Antibody (C-term)

Mouse Monoclonal Antibody (Mab)
Catalog # AM2186b

Product Information

Application	WB, E
Primary Accession	P07992
Reactivity	Human, Mouse
Host	Mouse
Clonality	Monoclonal
Isotype	IgM,k
Clone Names	752CT13.2.5
Calculated MW	32562
Antigen Region	268-297

Additional Information

Gene ID	2067
Other Names	DNA excision repair protein ERCC-1, ERCC1
Target/Specificity	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.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	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.
Storage	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.
Precautions	ERCC1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

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

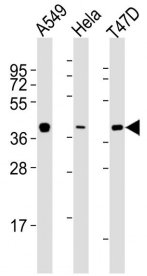
Background

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.