

ERCC1 Antibody

Purified Mouse Monoclonal Antibody (Mab)

Catalog # AP52840

Product Information

Application	WB
Primary Accession	P07992
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Calculated MW	32562

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	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

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

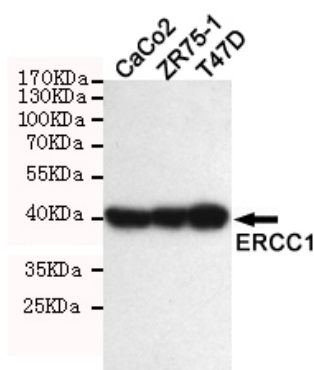
Background

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.

References

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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).

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.

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