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Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ERCC1 (DNA excision repair protein). Rabbit Antigen Immunoaffinity Purified Polyclonal
Excision Repair Cross Complementing protein-1; Nucleotide Excision Repair Protein

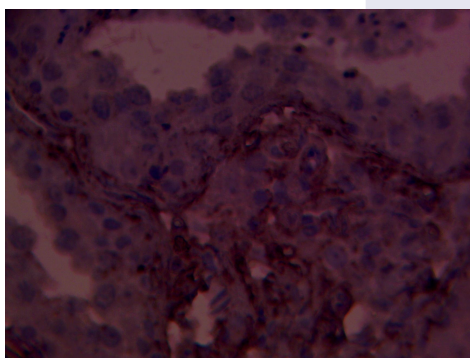
BACKGROUND

Recognizes a protein of 33-36kDa, identified as the Excision Repair Cross Complementing (ERCC1). The mammalian ERCC1-encoded polypeptide is required for nucleotide excision repair (NER) of damaged DNA and is homologous to *Saccharomyces cerevisiae* RAD10, which functions in repair and mitotic intrachromosomal recombination. The structure-specific ERCC1/XPF endonuclease complex is implicated in the repair of two distinct types of lesions in DNA: NER for UV-induced lesions and bulky chemical adducts; and recombination repair of the very genotoxic interstrand cross-links. NER mechanism involves dual incisions on both sides of the damage catalyzed by two nucleases. In mammalian cells XPG cleaves 3' of the DNA lesion while the ERCC1-XPF complex makes the 5' incision. Elevated levels of ERCC1 have also been reported in Cisplatin-resistant cells.

IMMUNOGEN

Synthetic peptide derived from human ERCC1 protein

Immunohistochemical staining of normal human testis tissue using ERCC1 antibody (Cat. No. X2734P) at 10 µg/ml and detected using anti-Rabbit HRP secondary antibody and visualized using DAB substrate and hematoxylin counterstain.



ORDERING INFORMATION

CATALOG NUMBER
X2734P

SIZE
100 µg

FORM
Affinity Purified

HOST/CLONE
Rabbit

FORMULATION
Provided as solution in phosphate buffered saline with 0.08% sodium azide

CONCENTRATION
See vial for concentration

ISOTYPE
Ig

APPLICATIONS
Western Blot, Immunohistochemistry (paraffin-embedded)

SPECIES REACTIVITY
Human

ACCESSION NUMBER
Human P07992

POSITIVE CONTROL/TISSUE EXPRESSION

A431 or HeLa lysates, human tonsil tissue

COMMENTS

This antibody can be used for Western blotting (5-10 µg/ml) and immunohistochemistry on formalin/paraffin sections (5-10 µg/ml). Optimal concentration should be evaluated by serial dilutions.

PURIFICATION

Antigen Immunoaffinity Purification

SHIP CONDITIONS

Ship at ambient temperature, freeze upon arrival

STORAGE CUSTOMER

Product should be stored at -20°C. Aliquot to avoid freeze/thaw cycles

STABILITY

Products are stable for one year from purchase when stored properly

REFERENCES

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7. Li Q, Ding L, Yu JJ, Mu C, Tsang B, Bostick- Bruton F, Reed E: Cisplatin and phorbol ester independently induce ERCC-1 protein in human ovarian carcinoma cells. *Int J Oncol* 1998;13(5):987-992.
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PRODUCT SPECIFIC REFERENCES