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**

<table>
<thead>
<tr>
<th><strong>CATALOG NUMBER</strong></th>
<th>X2734P</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SIZE</strong></td>
<td>100 µg</td>
</tr>
<tr>
<td><strong>FORM</strong></td>
<td>Affinity Purified</td>
</tr>
<tr>
<td><strong>HOST/CLONE</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>FORMULATION</strong></td>
<td>Provided as solution in phosphate buffered saline with 0.08% sodium azide</td>
</tr>
<tr>
<td><strong>CONCENTRATION</strong></td>
<td>See vial for concentration</td>
</tr>
<tr>
<td><strong>ISOTYPE</strong></td>
<td>Ig</td>
</tr>
<tr>
<td><strong>APPLICATIONS</strong></td>
<td>Western Blot, Immunohistochemistry (paraffin-embedded)</td>
</tr>
<tr>
<td><strong>SPECIES REACTIVITY</strong></td>
<td>Human</td>
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<tr>
<td><strong>ACCESSION NUMBER</strong></td>
<td>Human P07992</td>
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</tbody>
</table>
**FORMULATION**

**HOST/CLONE**

**CONCENTRATION**

**ISOTYPE**

**BACKGROUND**

**APPLICATIONS**

**CATALOG NUMBER**

**SIZE**

**FORM**

**ORDERING INFORMATION**

**IMMUNOGEN**

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**


**PRODUCT SPECIFIC REFERENCES**

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**For research use only. Not for use in human diagnostics or therapeutics.**

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Tel: 603.395.1137 Fax: 666.924.5100 www.exalpha.com info@exalpha.com

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**Last Modified**

11/1/2012

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**Cat. No. X2734P**