

Monoclonal Antibody to Human ERCC1

Catalog No.:	DM3079
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	3H11
Immunogen:	Full length recombinant human ERCC1 protein.
Applications:	Immunoprecipitation: Denatured verified; Use Protein A; Ab 2µg/mg protein lysate. Western Blotting: Ab 1-2µg/ml for 2hrs at RT. Not suitable for Immunohistology. Recommended positive control: A431 or HeLa Cells. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The mammalian ERCC1 (Excision Repair Cross Complementing) polypeptide is required for nucleotide excision repair (NER) of damaged DNA and is homologous to <i>Saccharomyces cerevisiae</i> RAD10, which functions in repair and mitotic intrachromosomal recombination. Cellular Localization: nuclear. Mol. Wt. of Antigen: 33-36kD
Storage:	Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.
General Readings:	1. Miura M, Nakamura S, Sasaki T, Takasaki Y, Shiomi T, Yamaizumi M. Roles of XPG and XPF/ERCC1 endonucleases in UV-induced immunostaining of PCNA in fibroblasts. <i>Exp Cell Res.</i> 1996 Jul 10;226(1):126-32. PubMed PMID: 8660947. 2. Hayashi T, Takao M, Tanaka K, Yasui A. ERCC1 mutations in UV-sensitive Chinese hamster ovary (CHO) cell lines. <i>Mutat Res.</i> 1998 Jun;407(3):269-76. PubMed PMID: 9653453. 3. de Laat WL, Appeldoorn E, Jaspers NG, Hoeijmakers JH. DNA structural elements required for ERCC1-XPF endonuclease activity. <i>J Biol Chem.</i> 1998 Apr 3;273(14):7835-42. PubMed PMID: 9525876. 4. de Laat WL, Sijbers AM, Odijk H, Jaspers NG, Hoeijmakers JH. Mapping of interaction domains between human repair proteins ERCC1 and XPF. <i>Nucleic Acids Res.</i> 1998 Sep 15;26(18):4146-52. PubMed PMID: 9722633. 5. Lee-Kwon W, Park D, Bernier M. Involvement of the Ras/extracellular signal-regulated kinase signalling pathway in the regulation of ERCC-1 mRNA levels by insulin. <i>Biochem J.</i> 1998 Apr 15;331 (Pt 2):591-7. PubMed PMID: 9531502.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



6. Lee-Kwon W, Park D, Bernier M: Nucleotide excision repair is not required for the antiapoptotic function of insulin

Pictures:

Cat. No. AM00269PU-N

