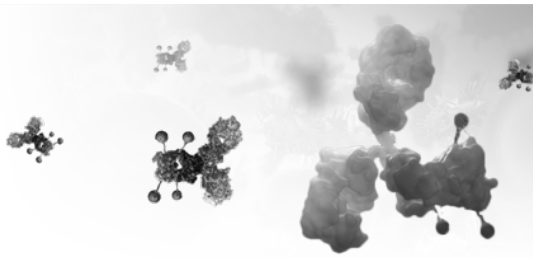

Mouse anti-Human ERCC1 polyclonal antibody (DPAB-DC881)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The product of this gene functions in the nucleotide excision repair pathway, and is required for the repair of DNA lesions such as those induced by UV light or formed by electrophilic compounds including cisplatin. The encoded protein forms a heterodimer with the XPF endonuclease (also known as ERCC4), and the heterodimeric endonuclease catalyzes the 5 incision in the process of excising the DNA lesion. The heterodimeric endonuclease is also involved in recombinational DNA repair and in the repair of inter-strand crosslinks. Mutations in this gene result in cerebrooculofacioskeletal syndrome, and polymorphisms that alter expression of this gene may play a role in carcinogenesis. Multiple transcript variants encoding different isoforms have been found for this gene. The last exon of this gene overlaps with the CD3e molecule, epsilon associated protein gene on the opposite strand.
Immunogen	ERCC1 (AAH52813, 207 a.a. ~ 281 a.a) partial recombinant protein with GST tag. The sequence is RYLETYKAYEQKPADLLMEKLEQDFVSRVTECLTTVKSVNKTDSQTLLTTFGSLEQLIAA SREDLALCPGVGPQK
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	ERCC1 excision repair cross-complementation group 1 [Homo sapiens (human)]
Official Symbol	ERCC1
Synonyms	ERCC1; excision repair cross-complementation group 1; UV20; COFS4; RAD10; DNA excision repair protein ERCC-1; excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence);
Entrez Gene ID	2067
Protein Refseq	NP_001159521
UniProt ID	P07992
Chromosome Location	19q13.32
Pathway	DNA Repair; Dual incision reaction in TC-NER; Fanconi anemia pathway; Formation of transcription-coupled NER (TC-NER) repair complex
Function	TBP-class protein binding; TFIID-class transcription factor binding; damaged DNA binding; protein C-terminus binding

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221