

Rabbit anti-Human, mouse ERCC1 Polyclonal Antibody | anti-ERCC1 antibody

ERCC1 Antibody (C-term)

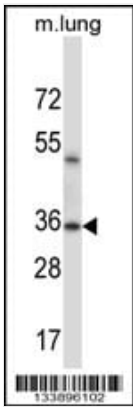
CATALOG # AAA285470	HOST Rabbit	REACTIVITY Human, mouse	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

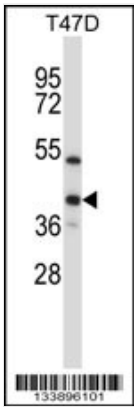
ERCC1; Polyclonal Antibody; ERCC1 Antibody (C-term); DNA excision repair protein ERCC-1; anti-ERCC1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This ERCC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 268-297 amino acids from the C-terminal region of human ERCC1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	268-297
Sequence Length	225
Applicable Applications for anti-ERCC1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
ERCC1 Antibody (C-term) western blot analysis in mouse lung tissue lysates (35ug/lane).This demonstrates the ERCC1 antibody detected the ERCC1 protein (arrow).



WB (Western Blot)
ERCC1 Antibody (C-term) western blot analysis in T47D cell line lysates (35ug/lane).This demonstrates the ERCC1 antibody detected the ERCC1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC1 antibody	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.
Product Categories/Family for anti-ERCC1 antibody	Cancer
References	Palli, D., et al. Mutagenesis 25(6):569-575(2010) Scheil-Bertram, S., et al. Gynecol. Oncol. 119(2):325-331(2010) Wenchao, L., et al. Diagn. Mol. Pathol. 19(3):164-168(2010) Hoffmann, A.C., et al. Neoplasia 12(8):628-636(2010) van Duin, M., et al. Mol. Cell. Biol. 9(4):1794-1798(1989)

NCBI AND UNIPROT INFORMATION

NCBI GI #	260593725
NCBI GeneID	2067
NCBI Accession #	NP_001159521.1; NP_001974.1; NP_973730.1
NCBI GenBank Nucleotide #	NM_001166049.1
UniProt Accession #	P07992; Q7Z7F5; Q96S40; B2RC01; B3KRR0
Molecular Weight	32562
NCBI Official Full Name	DNA excision repair protein ERCC-1 isoform 3
NCBI Official Synonym Full Names	excision repair cross-complementation group 1

NCBI Official Symbol	ERCC1
NCBI Official Synonym Symbols	UV20; COFS4; RAD10
NCBI Protein Information	DNA excision repair protein ERCC-1
UniProt Protein Name	DNA excision repair protein ERCC-1
UniProt Gene Name	ERCC1
UniProt Entry Name	ERCC1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ercc1-antibody-western-blot-elisa/285470>