

Mouse anti-Human ERCC1 Monoclonal Antibody | anti-ERCC1 antibody

Anti-ERCC1 Antibody

CATALOG # AAA293381	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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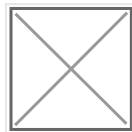
PRODUCT SYNONYMS

ERCC1; Monoclonal Antibody; Anti-ERCC1 Antibody; DNA excision repair protein ERCC-1; anti-ERCC1 antibody

PRODUCT SPECIFICATIONS

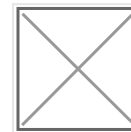
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Recognizes endogenous levels of ERCC1 protein.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Applicable Applications for anti-ERCC1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Cellular Location	[Isoform 1]: Nucleus [Isoform 3]: Nucleus
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Dilution: WB: (1/1000 - 1/2000), IH (1/100 - 1/200) Immunohistochemical analysis of ERCC1 staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Dilution: WB (1/1000 - 1/2000), IH (1/100 - 1/200) Western blot analysis of ERCC1 expression in Hela (A), HepG2 (B), 293T (C), Jurkat (D) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC1 antibody	Mouse monoclonal antibody to ERCC1 KLH-conjugated synthetic peptide encompassing a sequence of human ERCC1. The exact sequence is proprietary. [Isoform 1]: Non-catalytic component of a structure-specific DNA repair endonuclease responsible for the 5'-incision during DNA repair. Responsible, in conjunction with SLX4, for the first step in the repair of interstrand cross-links (ICL). Participates in the processing of anaphase bridge-generating DNA structures, which consist in incompletely processed DNA lesions arising during S or G2 phase, and can result in cytokinesis failure. Also required for homology-directed repair (HDR) of DNA double-strand breaks, in conjunction with SLX4.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260593725
NCBI GeneID	2067
NCBI Accession #	NP_001159521.1
NCBI GenBank Nucleotide #	NM_001166049.1
UniProt Accession #	P07992; Q7Z7F5; Q96S40
Molecular Weight	32,562 Da
NCBI Official Full Name	DNA excision repair protein ERCC-1 isoform 3
NCBI Official Synonym Full Names	excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence)
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://stage.aaabiotech.com/monoclonal/ercc1-antibody-immunohistochemistry-western-blot-elisa/293381>