

Mouse anti-Human ERCC1/RAD10 Monoclonal Antibody | anti-ERCC1 antibody

ERCC1/RAD10 (Tumor Progression Marker)

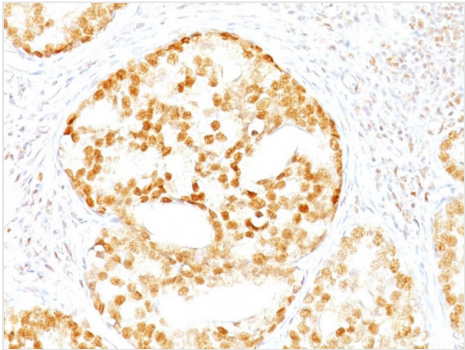
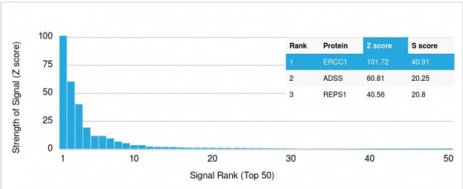
CATALOG # AAA23913	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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PRODUCT SYNONYMS

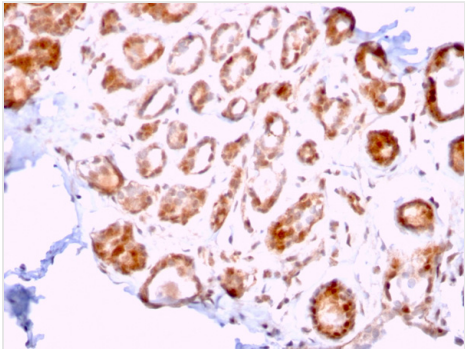
ERCC1/RAD10; Monoclonal Antibody; ERCC1/RAD10 (Tumor Progression Marker); COFS4; DNA excision repair protein ERCC1; ERCC1; Excision repair cross complementing 1; RAD10; UV20; anti-ERCC1 antibody

PRODUCT SPECIFICATIONS

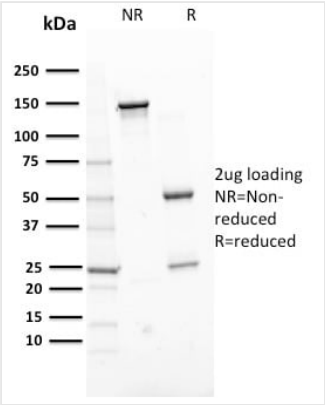
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b, kappa
Clone Number	ERCC1/2318
Specificity	Recognizes a protein of 110kDa, identified as Excision Repair Cross Complementing 1 (ERCC1). It is a mammalian nucleotide excision repair (NER) enzyme involved in repair of damaged DNA. ERCC1 is a homologous to RAD10 in <i>Saccharomyces cerevisiae</i> , which is required in mitotic intrachromosomal recombination and repair. ERCC1 is required in repair of cisplatin-induced DNA adducts and ultraviolet (UV)-induced DNA damage. High expression of ERCC1 has been linked to tumor progression in a variety of cancers including non-small cell lung cancer (NSCLC), squamous cell carcinoma of the head, ovarian cancer and esophageal cancer.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	273
Applicable Applications for anti-ERCC1 antibody	IHC (Immunohistochemistry)
Application Notes	Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT) (Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes)
Positive Control	HeLa, HepG2 cells. Tonsil or Prostate.
Immunogen	Recombinant fragment (around aa 191-281) of human ERCC1 protein (exact sequence is proprietary)
Cellular Localization	Nuclear
Hu-chromosome Location	19q13.32
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



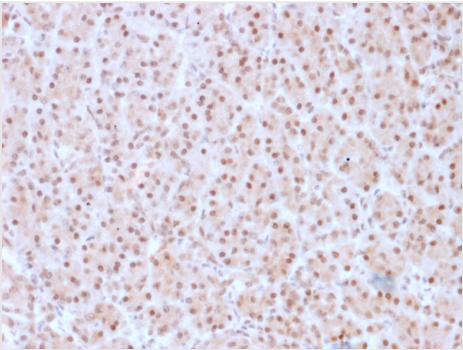
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Prostate Carcinoma stained with ERCC1 Mouse Monoclonal Antibody (ERCC1/2318).



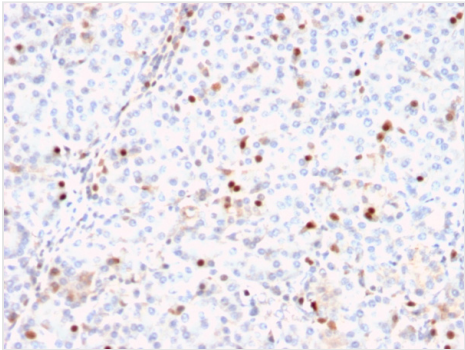
IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Breast Carcinoma stained with ERCC1 Mouse Monoclonal Antibody (ERCC1/2318).



SDS-PAGE
SDS-PAGE Analysis Purified ERCC1 Mouse Monoclonal Antibody (ERCC1/2318). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Pancreas stained with ERCC1 Mouse Monoclonal Antibody (ERCC1/2318).



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Pancreas stained with ERCC1 Mouse Monoclonal Antibody (ERCC1/2318).

ADDITIONAL INFORMATION

References	1. Hayashi T, et al. Mutat Res 1998;407:269-276. 2. Miura M, et al. Exp Cell Res 1996;226:126-132.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260593725
NCBI GeneID	2067

NCBI Accession #	NP_001159521.1
NCBI GenBank Nucleotide #	NP_001159521.1
UniProt Accession #	P07992
Molecular Weight	110kDa
NCBI Official Full Name	DNA excision repair protein ERCC-1 isoform 3
NCBI Official Synonym Full Names	ERCC excision repair 1, endonuclease non-catalytic subunit
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-rad10-antibody-clone-ercc1-2318-immunohistochemistry-elisa/23913>