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**Product Name: ERCC1 Rabbit Monoclonal Antibody****Catalog #: AMRe01957**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,ICC/IF
<b>Reactivity</b>	Human,Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.64mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 33 kDa; Observed MW: 39 kDa

**Antigen Information**

<b>Gene Name</b>	ERCC1
<b>Alternative Names</b>	ERCC1; DNA excision repair protein ERCC-1
<b>Gene ID</b>	2067
<b>SwissProt ID</b>	P07992
<b>Immunogen</b>	A synthetic peptide of human ERCC1

**Background**

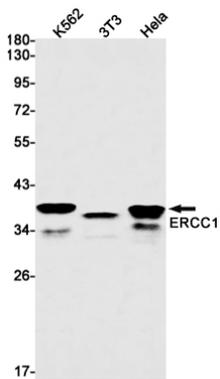
DNA repair systems operate in all living cells to manage a variety of DNA lesions. Nucleotide excision repair (NER) is implemented in cases where bulky helix-distorting lesions occur, such as those brought about by UV and certain chemicals.

Research studies have shown that expression of ERCC1 is related to survival rate and response to chemotherapeutic drugs in several human cancers including non-small cell lung cancer (NSCLC).

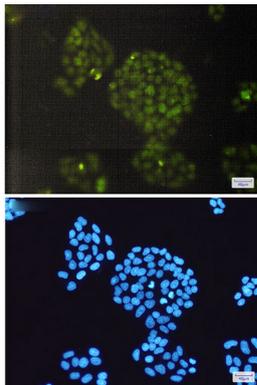
## Research Area

Epigenetics and Nuclear Signaling

## Image Data



Western blot analysis of ERCC1 in K562, 3T3, HeLa lysates using ERCC1 antibody.



Immunocytochemistry analysis of ERCC1(green) in HeLa using ERCC1 antibody, and DAPI(blue)