

**Anti-ERCC1 Antibody**  
Mouse monoclonal antibody to ERCC1  
Catalog # AP61579

**Specification**

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**Anti-ERCC1 Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P07992</a>
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	32562

**Anti-ERCC1 Antibody - Additional Information**

**Gene ID** 2067

**Other Names**

DNA excision repair protein ERCC-1

**Target/Specificity**

Recognizes endogenous levels of ERCC1 protein.

**Dilution**

WB~~WB (1/1000 - 1/2000), IH (1/100 - 1/200)

**Format**

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

**Storage**

Store at -20 °C. Stable for 12 months from date of receipt

**Anti-ERCC1 Antibody - Protein Information**

**Name** ERCC1

**Function**

[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.

**Cellular Location**

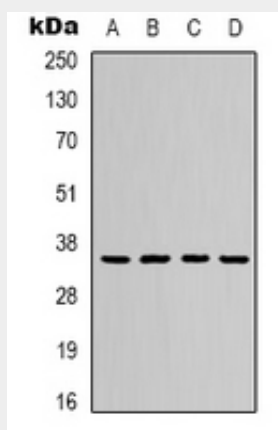
[Isoform 1]: Nucleus [Isoform 3]: Nucleus

## Anti-ERCC1 Antibody - Protocols

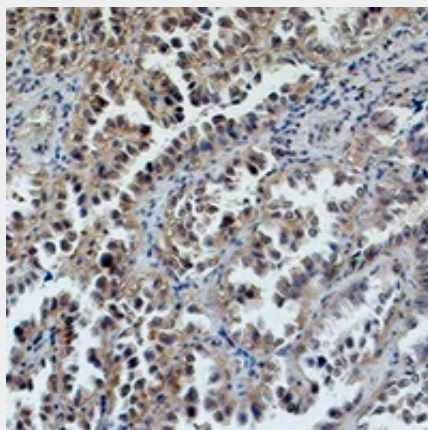
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## Anti-ERCC1 Antibody - Images



Western blot analysis of ERCC1 expression in Hela (A), HepG2 (B), 293T (C), Jurkat (D) whole cell lysates.



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.

## Anti-ERCC1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence of human ERCC1. The exact sequence

is proprietary.