10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-ERCC1 Antibody

Catalog # AP61579

Product Information

Application	WB, IHC
Primary Accession	P07992
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	32562

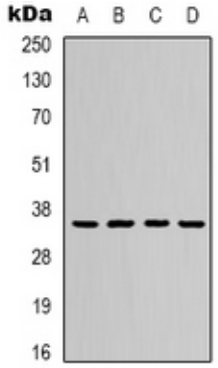
Additional Information

Gene ID	2067
Other Names	DNA excision repair protein ERCC-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence of human ERCC1. The exact sequence is proprietary.
Dilution	WB~~WB (1/1000 - 1/2000), IHC (1/100 - 1/200) IHC~~WB (1/1000 - 1/2000), IHC (1/100 - 1/200)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

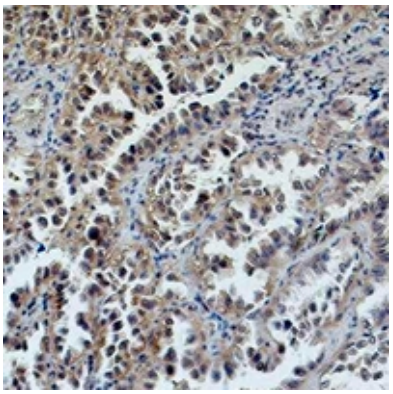
Protein Information

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

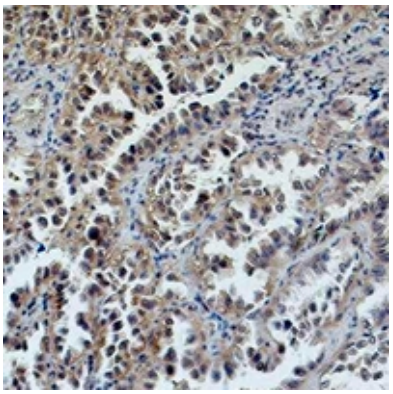
Images



Western blot analysis of ERCC1 expression in Hela (A), HepG2 (B), 293T (C), Jurkat (D) whole cell lysates. (Predicted band size: 32 kD; Observed band size: 36 kD)



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.



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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.