

Datasheet for ABIN6939334
anti-ERCC1 antibody (AA 191-281)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ERCC1
Binding Specificity:	AA 191-281
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ERCC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Coating (Coat)

Product Details

Immunogen:	Recombinant fragment (around aa 191-281) of human ERCC1 protein (exact sequence is proprietary)
Clone:	ERCC1-2683
Isotype:	IgG1 kappa
Specificity:	Recognizes a protein of 110 kDa, 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

Product Details

	cancer.
Purification:	Purified by Protein A/G

Target Details

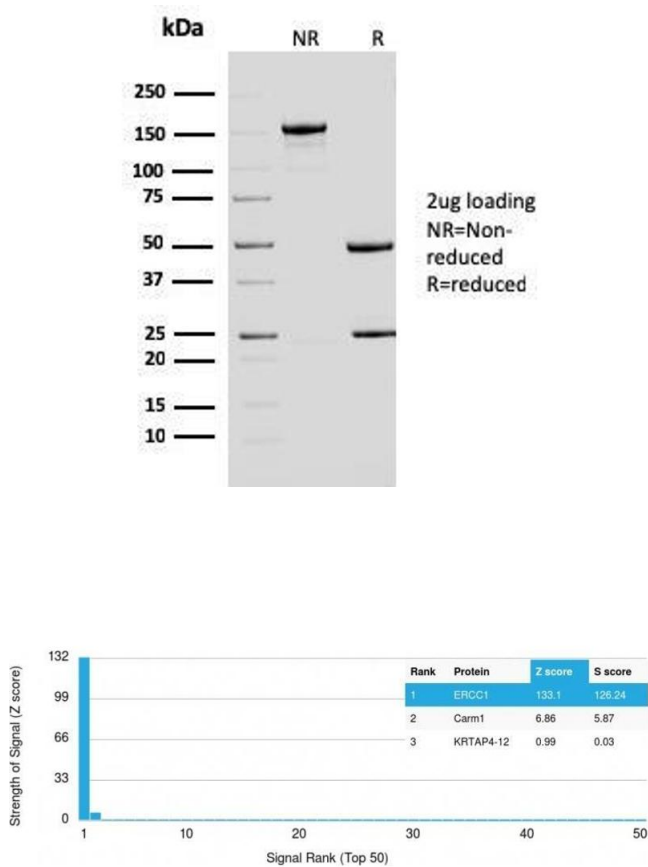
Target:	ERCC1
Alternative Name:	ERCC1 (ERCC1 Products)
Molecular Weight:	110kDa
Gene ID:	2067
UniProt:	P07992
Pathways:	DNA Damage Repair , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	Positive Control: HeLa, HepG2 cells. Tonsil. Known Application: ELISA (For coating, order Ab without BSA), Western Blot (1-2 µg/mL), Optimal dilution for a specific application should be determined.
Restrictions:	For Research Use only

Handling

Concentration:	200 µg/mL
Buffer:	10 mM PBS with 0.05 % BSA & 0.05 % azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-80 °C
Storage Comment:	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Expiry Date:	24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified ERCC1 Mouse Monoclonal Antibody (ERCC1/2683). Confirmation of Purity and Integrity of Antibody.

Protein Array

Image 2. Analysis of Protein Array containing more than 19,000 full-length human proteins using ERCC1 Mouse Monoclonal Antibody (ERCC1/2683). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (Monoclonal Antibody) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a Monoclonal Antibody to its intended target. A Monoclonal Antibody is considered to specific to its intended target, if the Monoclonal Antibody has an S-score of at least 2.5. For example, if a Monoclonal Antibody binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that Monoclonal Antibody to protein X is equal to 29.