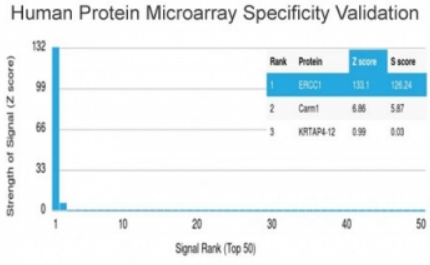
# ERCC1 Antibody [clone ERCC1/2683] (V8974)

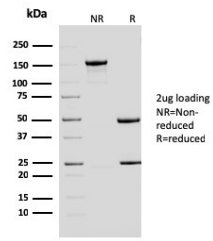
| Catalog No. | Formulation | Size |
|---|---|---|
| V8974-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V8974-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V8974SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | ERCC1/2683 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P07992 |
| **Localization** | Nuclear |
| **Applications** | ELISA (order BSA-free Format For Coating) : |
| **Limitations** | This ERCC1 antibody is available for research use only. |




Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ERCC1 antibody (clone ERCC1/2683). These results demonstrate the foremost specificity of the ERCC1/2683 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.




SDS-PAGE analysis of purified, BSA-free ERCC1 antibody (clone ERCC1/2683) as confirmation of integrity and purity.

## Description

Excision Repair Cross Complementing 1 (ERCC1) is a mammalian nucleotide excision repair (NER) enzyme involved in repair of damaged DNA. ERCC1 is a homologous to RAD10 in Saccharomyces cerevisiae, 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.

## Application Notes

Optimal dilution of the ERCC1 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 191-281 was used as the immunogen for the ERCC1 antibody.

## Storage

Aliquot the ERCC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com