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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB08190 - Goat Anti-ERCC1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ERCC1, excision repair cross-complementing rodent repair deficiency, complementation group 1 (includes overlapping antisense sequence), COFS4, UV20, excision repair cross-complementing 1, excision repair protein

Official Symbol: ERCC1

Accession Number(s): NP_973730.1; NP_001974.1

Human GeneID(s): [2067](#)

Important Comments: This antibody is expected to recognise both reported isoforms (NP_973730.1 and NP_001974.1).

Immunogen

Peptide with sequence DPGKDKEGVPQPS-C, from the N Terminus of the protein sequence according to NP_973730.1; NP_001974.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:64000.

Western blot: Approx 38kDa band observed in lysates of cell lines A431 and Kelly (calculated MW of 35.6kDa according to NP_973730.1). This molecular weight is routinely observed by other sources. Recommended concentration: 0.3-1µg/ml.

Additional validation: This antibody has been successfully used in the following paper: Sikorski et al. (2018) PMID: 30377371.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in the following paper:

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdengen, Flourina Thakor, Simon Kling, Tomas Kalina, Tuula A. Nyman, Maria Ekman Stensland, Wei Zhou, Gustavo A. De Souza, Lars Holden, Jan Stuchly, Markus Templin and Fridtjof Lund-Johansen

A high-throughput pipeline for validation of antibodies

Nat Methods. 2018 Nov;15(11):909-912

PMID: 30377371

EB08190 (0.3µg/ml) staining of A431 lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.