

## UK Office

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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

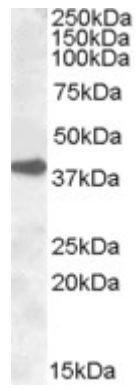
**This antibody has been successfully used in the following paper:**

Krzysztof Sikorski, Adi Mehta, Marit Inngjerdigen, 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 (0.3 $\mu$ g/ml) staining of A431 lysate (35 $\mu$ g protein in RIPA buffer). Primary incubation was 1 hour.  
Detected by chemiluminescence.