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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 Inngjerdingen, 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.