**Basic Information**

**Catalog Number:** 10818-1-AP

**Size:** 26 μg/150 μl

**Source:** Rabbit

**Isotype:** IgG

**Purification Method:** Antigen affinity purification

**Immunogen Catalog Number:** AG1038

**GenBank Accession Number:** BC008346

**GeneID (NCBI):** 2068

**Full Name:** excision repair cross-complementing rodent repair deficiency, complementation group 2

**Calculated MW:** 87 kDa

**Observed MW:** 80 kDa

**Recommended Dilutions:**
- **WB:** 1:500-1:1000
- **IP:** 0.5-4.0 μg for IP and 1:500-1:1000 for WB
- **IHC:** 1:20-1:200

**Applications**

**Tested Applications:** IHC, IP, WB, ELISA

**Cited Applications:** IHC

**Species Specificity:** human

**Cited Species:** human

**Note:** suggested antigen retrieval with TE buffer pH 9.6; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Background Information**

Excision repair complementing defective in Chinese hamster 2 (ERCC2), belongs to the nucleotide excision repair pathway, is a component of the TFIH transcription complex and required for the association of the CDK-activating kinase (CAK) subcomplex with TFIH. Since TFIH is involved in both DNA repair and cell cycle progression, ERCC2 is implicated to play an integral role in the nucleotide excision repair pathway. Also it involves in the regulation of vitamin-D receptor activity. As a part of the mitotic spindle-associated MMD complex, ERCC2 has a role in chromosome segregation.

**Notable Publications**

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<tr>
<td>Shun Tezuka</td>
<td>30418859</td>
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<td>Zhao Jin Yao JY</td>
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<td>Lai Jun H JI</td>
<td>19432884</td>
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**Storage**

**Storage:** Store at -20ºC. Stable for one year after shipment.

**Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

**Aliquoting is unnecessary for -20ºC storage.**
HeLa cells were subjected to SDS PAGE followed by western blot with 10818-1-AP(ERCC2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.


Immunohistochemical of paraffin-embedded human lymphoma using 10818-1-AP(ERCC2 antibody) at dilution of 1:100 (under 10x lens).