

For Research Use Only

# ERCC3 Polyclonal antibody

Catalog Number: 10580-1-AP

Featured Product

3 Publications



## Basic Information

**Catalog Number:**

10580-1-AP

**Size:**

350 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0876

**GenBank Accession Number:**

BC008820

**GeneID (NCBI):**

2071

**UNIPROT ID:**

P19447

**Full Name:**

excision repair cross-complementing rodent repair deficiency, complementation group 3 (xeroderma pigmentosum group B complementing)

**Calculated MW:**

89 kDa

**Observed MW:**

89 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:500-1:1000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

IP, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse, rat

**Cited Species:**

human

**Positive Controls:**

WB : HEK-293 cells, HeLa cells, A431 cells, COLO 320 cells, HT-1080 cells, mouse colon tissue

IP : A431 cells,

## Background Information

Excision repair cross-complementing 3/xeroderma pigmentosum B (ERCC3/XPB) DNA helicase, is an essential ATP-dependent DNA helicase that functions as an integral component of the transcription factor IIH complex. ERCC3 is involved in initiation of basal transcription and global genome repair as well as in transcription-coupled repair (TCR) [PMID:19942596]. At the cellular level, a defect in ERCC3 results in high UV sensitivity, reduced post-UV RNA synthesis recovery and decreased DNA repair due to defective NER [PMID:16947863].

## Notable Publications

Author	Pubmed ID	Journal	Application
Xie Qiong-Hui QH	21672525	Biochem Biophys Res Commun	WB
Yangyang Han	28638477	Theranostics	WB
Xizi Chen	38127763	Science	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

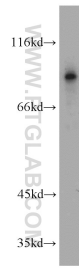
T: 4006900926

E: Proteintech-CN@ptglab.com

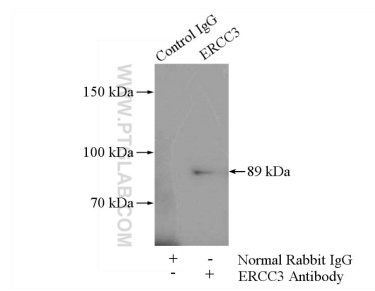
W: ptgcn.com

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## Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 10580-1-AP (ERCC3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-ERCC3 (IP:10580-1-AP, 4ug; Detection:10580-1-AP 1:500) with A431 cells lysate 1200ug.