

For Research Use Only

ERCC3 Polyclonal antibody, PBS Only

Catalog Number:10580-1-PBS

Featured Product



Basic Information

Catalog Number:

10580-1-PBS

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

Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

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].

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

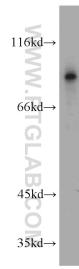
T: 4006900926

E: Proteintech-CN@ptglab.com

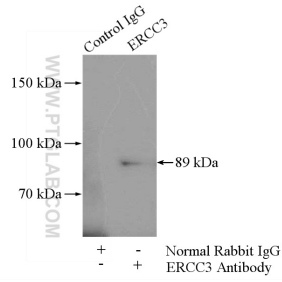
W: ptgcn.com

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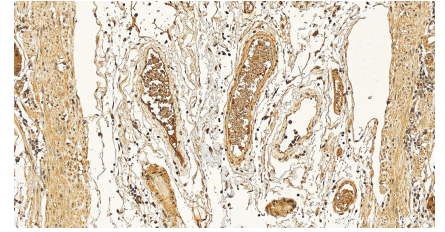
Selected Validation Data



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. This data was developed using the same antibody clone with 10580-1-PBS in a different storage buffer formulation.



IP result of anti-ERCC3 (IP:10580-1-AP, 4ug; Detection:10580-1-AP 1:500) with A431 cells lysate 1200ug. This data was developed using the same antibody clone with 10580-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach tissue slide using 10580-1-AP (ERCC3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10580-1-PBS in a different storage buffer formulation.