

## Rabbit anti-Human ERCC3 Polyclonal Antibody | anti-ERCC3 antibody

Rabbit anti-ERCC3 Antibody, Affinity Purified

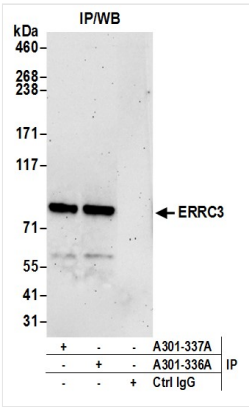
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA211430 | Rabbit | Human      | Immunohistochemistry, Immunoprecipitation |

### PRODUCT SYNONYMS

ERCC3; Polyclonal Antibody; Rabbit anti-ERCC3 Antibody; Affinity Purified; TFIIH; basic transcription factor 2 89 kDa subunit; xeroderma pigmentosum; complementation group B; XPB; xeroderma pigmentosum group B-complementing protein; TTD2; TFIIH subunit XPB; TFIIH p89; TFIIH basal transcription factor complex helicase XPB subunit; TFIIH basal transcription factor complex 89 kDa subunit; TFIIH 89 kDa subunit; DNA excision repair protein ERCC-3; BTF2 p89; RAD25; BTF2; DNA repair helicase; DNA repair protein complementing XP-B cells; excision repair cross-complementation group 3; excision repair cross-complementing rodent repair deficiency; complementation group 3; general transcription and DNA repair factor IIH helicase subunit XPB; GTF2H; ERCC excision repair 3; TFIIH core complex helicase subunit; anti-ERCC3 antibody

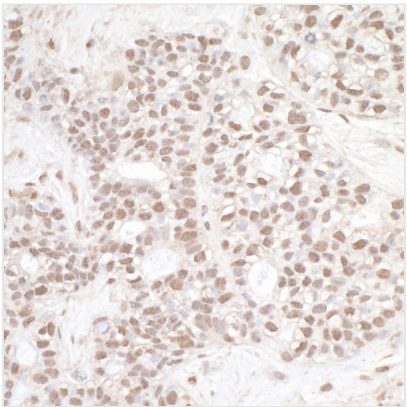
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                    |
| Reactivity                                      | Human                                                                                     |
| Clonality                                       | Polyclonal                                                                                |
| Purity/Purification                             | Antigen Affinity Purified                                                                 |
| Form/Format                                     | Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide |
| Concentration                                   | 1000ug/ml (varies by lot)                                                                 |
| Applicable Applications for anti-ERCC3 antibody | IHC (Immunohistochemistry), IP (Immunoprecipitation)                                      |
| Predicted Reactivity                            | Mouse, Rat, Zebrafish, Bovine, Orangutan                                                  |
| Immunogen                                       | Between 575 and 625                                                                       |
| Conjugation                                     | Unconjugated                                                                              |
| Preparation and Storage                         | Store at 2-8 degree C<br>Shelf Life: 1 year from date of receipt                          |



IP (Immunoprecipitation)

Detection of human ERCC3 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ERCC3 antibody AAA211430 (lot AAA211430-2) used for IP at 3 ug per reaction. ERCC3 was also immunoprecipitated by rabbit anti-ERCC3 antibody For blotting immunoprecipitated ERCC3, was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IHC (Immunohistochemistry)

Detection of human ERCC3 by immunohistochemistry. Sample: FFPE section of human breast carcinoma. Antibody: Affinity purified rabbit anti-ERCC3 (Cat. No. AAA211430 Lot 2) used at a dilution of 1:10,000 (0.1ug/ml). Detection: DAB

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ERCC3 antibody | ERCC3 is a component of the core TFIIH basal transcription factor and functions as an ATP-dependent 3'-5' DNA helicase. ERCC3 is involved in nucleotide excision repair and is the cause of xeroderma pigmentosum complementation group B (XPB), also known as xeroderma pigmentosum II (XP2). Additionally, it has been found to be the cause of Cockayne syndrome, and trichothiodystrophy (TTD). XPB is an autosomal recessive disease characterized by skin photosensitivity and a predisposition to skin cancer, and neurological abnormalities. Cockayne syndrome and TTD are similarly characterized by photosensitivity and neural abnormalities. |
| Product Categories/Family for anti-ERCC3 antibody   | Primary Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4557562                                                                                                                                                                                                                                                         |
| NCBI GeneID                      | 2071                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000113.1                                                                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_000122                                                                                                                                                                                                                                                       |
| UniProt Accession #              | P19447; Q53QM0                                                                                                                                                                                                                                                  |
| Molecular Weight                 | 89,278 Da                                                                                                                                                                                                                                                       |
| NCBI Official Full Name          | Homo sapiens excision repair cross-complementation group 3 (ERCC3), transcript variant 1, mRNA                                                                                                                                                                  |
| NCBI Official Synonym Full Names | excision repair cross-complementation group 3                                                                                                                                                                                                                   |
| NCBI Official Symbol             | ERCC3                                                                                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | XPB; BTF2; GTF2H; RAD25; TFIIH                                                                                                                                                                                                                                  |
| NCBI Protein Information         | TFIIH basal transcription factor complex helicase XPB subunit; BTF2 p89; DNA excision repair protein ERCC-3; DNA repair helicase; DNA repair protein complementing XP-B cells; TFIIH 89 kDa subunit; TFIIH basal transcription factor complex 89 kDa subunit; T |
| UniProt Protein Name             | TFIIH basal transcription factor complex helicase XPB subunit                                                                                                                                                                                                   |
| UniProt Gene Name                | ERCC3                                                                                                                                                                                                                                                           |

|                            |                                                      |
|----------------------------|------------------------------------------------------|
| UniProt Synonym Gene Names | XPB; XPBC; BTF2 p89; TFIIH 89 kDa subunit; TFIIH p89 |
| UniProt Entry Name         | ERCC3_HUMAN                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/polyclonal/ercc3-antibody-immunohistochemistry-immunoprecipitation-elisa/211430>