

Rabbit anti-Human, Mouse ERCC3 Polyclonal Antibody | anti-ERCC3 antibody

Rabbit anti-ERCC3 Antibody, Affinity Purified

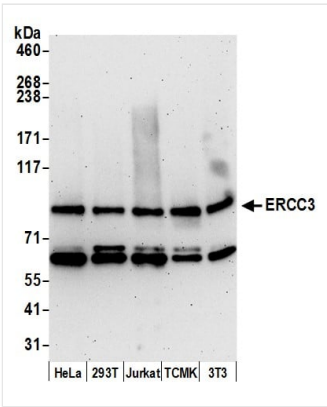
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211431	Rabbit	Human, Mouse	Immunoprecipitation, Western Blot

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

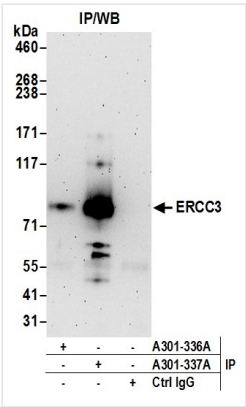
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
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	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Rat, Bovine, Orangutan
Immunogen	Between 732 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



WB (Western Blot)

Detection of human and mouse ERCC3 by western blot. Samples: Whole cell lysate (15 ug) from HeLa, HEK293T, Jurkat, mouse TCMK-1, and mouse NIH 3T3 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ERCC3 antibody AAA211431 (lot AAA211431-2) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



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 AAA211431 (lot AAA211431-2) used for IP at 3 ug per reaction. ERCC3 was also immunoprecipitated by rabbit anti-ERCC3 antibody For blotting immunoprecipitated ERCC3, AAA211431 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ercc3-antibody-immunoprecipitation-western-blot-elisa/211431>