

Rabbit anti-Human XPB/ERCC3 Polyclonal Antibody | anti-ERCC3 antibody

Anti-XPB/ERCC3 Antibody Picoband

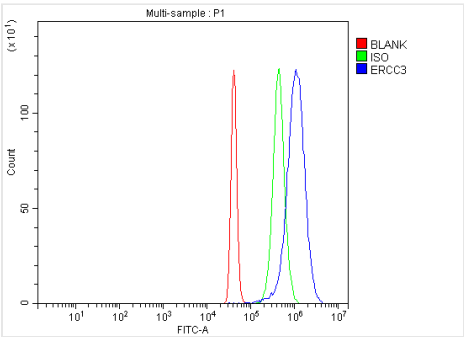
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126286	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

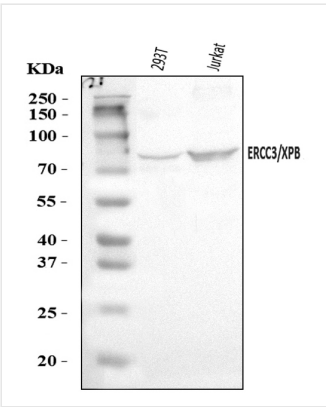
XPB/ERCC3; Polyclonal Antibody; Anti-XPB/ERCC3 Antibody Picoband; anti-ERCC3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ERCC3 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human XPB/ERCC3 recombinant protein (Position: K68-Q377).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of SiHa cells using anti-XPB/ERCC3 antibody (AAA126286).Overlay histogram showing SiHa cells stained with AAA126286 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-XPB/ERCC3 Antibody (AAA126286, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of XPB/ERCC3 using anti-XPB/ERCC3 antibody (AAA126286).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human 293T whole cell lysates,Lane 2: human Jurkat whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-XPB/ERCC3 antigen affinity purified polyclonal antibody (#AAA126286) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for XPB/ERCC3 at approximately 89 kDa. The expected band size for XPB/ERCC3 is at 89 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC3 antibody	XPB (xeroderma pigmentosum type B) is an ATP-dependent DNA helicase in humans that is a part of the TFIIH transcription factor complex. This gene encodes an ATP-dependent DNA helicase that functions in nucleotide excision repair. The encoded protein is a subunit of basal transcription factor 2 (TFIIH) and, therefore, also functions in class II transcription. Mutations in this gene are associated with Xeroderma pigmentosum B, Cockayne's syndrome, and trichothiodystrophy. Alternative splicing results in multiple transcript variants.
Product Categories/Family for anti-ERCC3 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119541
NCBI GeneID	2071
UniProt Accession #	P19447; Q53QM0
Molecular Weight	782
NCBI Official Full Name	TFIIH basal transcription factor complex helicase XPB subunit
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; TFIIH p89; DNA repair helicase; TFIIH 89 kDa subunit; DNA excision repair protein ERCC-3; DNA repair protein complementing XP-B cells; basic transcription factor 2 89 kDa subunit; xe
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/xpb-ercc3-antibody-flow-cytometry-western-blot-elisa/126286>