

Anti-ERCC3 / XPB Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18162**Specification**

Anti-ERCC3 / XPB Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P19447
Predicted	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	89278

Anti-ERCC3 / XPB Antibody - Additional Information**Gene ID** 2071

Alias Symbol	ERCC3
Other Names	ERCC3, BTF2, GTF2H, RAD25, TFIIH p89, TFIIH, XPB, BTF2 p89, XPBC, TFIIH 89 kDa subunit

Target/Specificity
Human ERCC3 / XPB**Reconstitution & Storage**
Affinity purified**Precautions**
Anti-ERCC3 / XPB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**Anti-ERCC3 / XPB Antibody - Protein Information****Name** ERCC3**Synonyms** XPB, XPBC**Function**

ATP-dependent 3'-5' DNA helicase, component of the general transcription and DNA repair factor IIF (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. In NER, TFIIH acts by opening DNA around the lesion to allow the excision of the damaged oligonucleotide and its replacement by a new DNA fragment. The ATPase activity of XPB/ERCC3, but not its helicase activity, is required for DNA opening. In transcription, TFIIH has an essential role in transcription initiation (PubMed: [8157004](http://www.uniprot.org/citations/8157004), PubMed: [30894545](http://www.uniprot.org/citations/30894545)). When the

pre-initiation complex (PIC) has been established, TFIIH is required for promoter opening and promoter escape (PubMed:8157004). The ATP-dependent helicase activity of XPB/ERCC3 is required for promoter opening and promoter escape. Phosphorylation of the C-terminal tail (CTD) of the largest subunit of RNA polymerase II by the kinase module CAK controls the initiation of transcription.

Cellular Location

Nucleus.

Anti-ERCC3 / XPB Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-ERCC3 / XPB Antibody - Images