

anti-Human XPD Monoclonal Antibody | anti-XPD antibody

XPD Rabbit mAb

CATALOG # AAA314485	HOST Recombinant Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Western Blot
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PRODUCT SYNONYMS

XPD; Monoclonal Antibody; XPD Rabbit mAb; EM9; TTD; TTD1; COFS2; TFIH; anti-XPD antibody

PRODUCT SPECIFICATIONS

Host	Recombinant Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	S08-2I3
Purity/Purification	Affinity Purified
Form/Format	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration	0.3mg/ml (varies by lot)
Applicable Applications for anti-XPD antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide of human XPD
Conjugation	Unconjugated
Modification	Unmodification
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)

Immunocytochemistry of XPD (green) in Hela using XPD Rabbit mAb at dilution 1/50, and DAPI(blue)



WB (Western Blot)

Western blot detection of XPD in Jurkat, Hela cell lysates using XPD Rabbit mAb(1:500 diluted). Predicted band size: 87kDa. Observed band size: 80kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-XPD antibody	ATP-dependent 5'-3' DNA helicase, component of the general transcription and DNA repair factor IIH (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 ATP-dependent helicase activity of XPD/ERCC2 is required for DNA opening. In transcription, TFIIH has an essential role in transcription initiation. When the pre-initiation complex (PIC) has been established, TFIIH 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. XPD/ERCC2 acts by forming a bridge between CAK and the core-TFIIH complex. Involved in the regulation of vitamin-D receptor activity. As part of the mitotic spindle-associated MMXD complex it plays a role in chromosome segregation. Might have a role in aging process and could play a causative role in the generation of skin cancers.
Product Categories/Family for anti-XPD antibody	Primary Antibody

NCBI AND UNIPROT INFORMATION

NCBI GI #	119540
NCBI GeneID	2068
UniProt Accession #	P18074; Q2TB78; Q2YDY2; Q7KZU6; Q8N721
Molecular Weight	760
NCBI Official Full Name	TFIIH basal transcription factor complex helicase XPD subunit
NCBI Official Synonym Full Names	excision repair cross-complementation group 2
NCBI Official Symbol	ERCC2
NCBI Official Synonym Symbols	EM9; TTD; XPD; COFS2; TFIIH
NCBI Protein Information	TFIIH basal transcription factor complex helicase XPD subunit; CXPD; BTF2 p80; TFIIH p80; TFIIH 80 kDa subunit; DNA excision repair protein ERCC-2; DNA repair protein complementing XP-D cells; basic transcription factor 2 80 kDa subunit; xeroderma pigment
UniProt Protein Name	TFIIH basal transcription factor complex helicase XPD subunit
UniProt Gene Name	ERCC2
UniProt Synonym Gene Names	XPD; XPDC; BTF2 p80; TFIIH 80 kDa subunit; TFIIH p80
UniProt Entry Name	ERCC2_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/monoclonal/xpd-antibody-clone-s08-2i3-immunofluorescence-western-blot-elisa/314485>