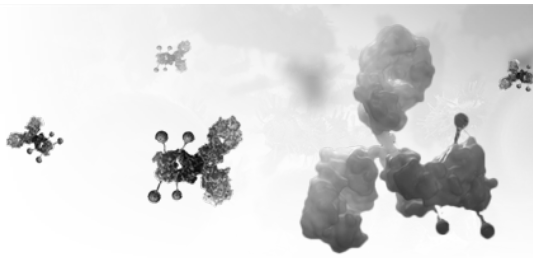

Anti-ERCC2 (aa 270-545) polyclonal antibody (DPABH-10757)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	ATP-dependent 5-3 DNA helicase, component of the core-TFIIH basal transcription factor. Involved in nucleotide excision repair (NER) of DNA by opening DNA around the damage, and in RNA transcription by RNA polymerase II by anchoring the CDK-activating kinase (CAK) complex, composed of CDK7, cyclin H and MAT1, to 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.
Immunogen	Recombinant protein fragment containing a sequence corresponding to a region within amino acids 270 and 545 of Human XPD (NP_000391).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB, IHC-P
Format	Liquid
Size	50 µl
Buffer	Constituents: 40% Glycerol, 1X PBS, pH 7.0
Preservative	None

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	ERCC2 excision repair cross-complementation group 3 [Homo sapiens]
Official Symbol	ERCC2
Synonyms	ERCC2; excision repair cross-complementation group 2; EM9; TTD; XPD; COFS2; TFIIH; 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 pigmentosum complementary group D; xeroderma pigmentosum group D-complementing protein; TFIIH basal transcription factor complex 80 kDa subunit; TFIIH basal transcription factor complex helicase subunit; TFIIH basal transcription factor complex helicase XPB subunit; excision repair cross-complementing rodent repair deficiency, complementation group 2;
Entrez Gene ID	2068
Protein Refseq	NP_000391.1
UniProt ID	P18074
Pathway	Basal transcription factors; Cytosolic iron-sulfur cluster assembly; Disease; Dual incision reaction in TC-NER
Function	4 iron, 4 sulfur cluster binding; 5-3 DNA helicase activity; ATP binding; ATP-dependent DNA helicase activity

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