

Rabbit anti-Human XPD/ERCC2 Monoclonal Antibody | anti-ERCC2 antibody

XPD/ERCC2 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28497	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

XPD/ERCC2; Monoclonal Antibody; XPD/ERCC2 Rabbit mAb; EM9; TTD; XPD; TTD1; COFS2; TFIH; anti-ERCC2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	ARGKVSEGID FVHHYGRAVI MFGVPYVYTQ SRILKARLEY LRDQFQIREN DFLTFDAMRH AAQCVGRAIR GKTDYGLMVF ADKRFARGDK RGKLPRWIQE H
Applicable Applications for anti-ERCC2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
Application Notes	WB: 1:500-1:1000 IHC-P: 1:50-1:200 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Cross Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human XPD/ERCC2 (P18074).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using XPD/ERCC2 Rabbit mAb (AAA28497) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)

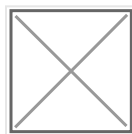
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using XPD/ERCC2 Rabbit mAb (AAA28497) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

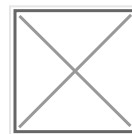
Immunohistochemistry analysis of paraffin-embedded Mouse brain tissue using XPD/ERCC2 Rabbit mAb (AAA28497) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using XPD/ERCC2 Rabbit mAb (AAA28497) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.

**IHC (Immunohistochemistry)**

Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using XPD/ERCC2 Rabbit mAb (AAA28497) at a dilution of 1:200 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.

**WB (Western Blot)**

Western blot analysis of various lysates using XPD/ERCC2 Rabbit mAb (AAA28497) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC2 antibody	The nucleotide excision repair pathway is a mechanism to repair damage to DNA. The protein encoded by this gene is involved in transcription-coupled nucleotide excision repair and is an integral member of the basal transcription factor BTF2/TFIIH complex. The gene product has ATP-dependent DNA helicase activity and belongs to the RAD3/XPD subfamily of helicases. Defects in this gene can result in three different disorders, the cancer-prone syndrome xeroderma pigmentosum complementation group D, trichothiodystrophy, and Cockayne syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-ERCC2 antibody	Epigenetics Nuclear Signaling ; DNA Damage Repair ; Cell Biology Developmental Biology ; Apoptosis ; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	119540
NCBI GeneID	2068
UniProt Accession #	P18074 ; Q2TB78 ; Q2YDY2 ; Q7KZU6 ; Q8N721
Molecular Weight	Calculated MW: 87kDa Observed MW: 80kDa
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-ercc2-antibody-western-blot-immunohistochemistry-elisa/28497>