

Rabbit anti-Human ERCC5/XPG Polyclonal Antibody | anti-ERCC5/XPG antibody

Rabbit anti-ERCC5/XPG Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA211499	Rabbit	Human	Immunohistochemistry, Immunoprecipitation, Western Blot

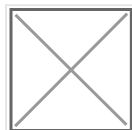
PRODUCT SYNONYMS

ERCC5/XPG; Polyclonal Antibody; Rabbit anti-ERCC5/XPG Antibody; Affinity Purified; excision repair cross-complementing rodent repair deficiency; complementation group 5; XPGC; XPG; xeroderma pigmentosum; complementation group G; Xeroderma pigmentosum group G-complementing protein; UVDR; ERCC5-201; DNA repair protein complementing XP-G cells; DNA excision repair protein ERCC-5; COFS3; excision repair cross-complementation group 5; XPG-complementing protein; ERCC excision repair 5; endonuclease; anti-ERCC5/XPG antibody

PRODUCT SPECIFICATIONS

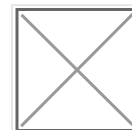
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-ERCC5/XPG antibody	IHC (Immunohistochemistry), IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 650 and 700
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human ERCC5/XPG by western blot. Samples: Whole cell lysate (50 ug) from RKO, A-549, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-ERCC5/XPG antibody (AAA211499 lot 3) used for WB at 0.4 ug/ml. Detection: Chemiluminescence with an exposure time of 75 seconds.



IP (Immunoprecipitation)

Detection of human ERCC5/XPG by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from Jurkat cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-ERCC5/XPG antibody (AAA211499 lot 3) used for IP at 6 ug per reaction. ERCC5/XPG was also immunoprecipitated by a previous lot of this antibody (AAA211499 lot 2) and a second antibody against a different epitope of ERCC5/XPG. For blotting immunoprecipitated ERCC5/XPG, AAA211499 was used at 0.04 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IHC (Immunohistochemistry)

Detection of human ERCC5/XPG by immunohistochemistry. Sample: FFPE section of human colon carcinoma. Antibody: Affinity purified rabbit anti-ERCC5/XPG (AAA211499 lot 3) used at a dilution of 1:1000 (1 ug/ml). Detection: DAB

ADDITIONAL INFORMATION

Related Product Information for anti-ERCC5/XPG antibody	ERCC5 is a single-stranded DNA endonuclease involved in DNA excision repair. ERCC5 is an important component of the nucleotide excision repair (NER) pathway which is critical to the repair of DNA lesions caused by exposure to UV light. Defects in ERCC5 are the cause of xeroderma pigmentosum, an autosomal recessive disease characterized by a hypersensitivity to sunlight and a high predisposition to cancer on UV-exposed areas.
Product Categories/Family for anti-ERCC5/XPG antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	51988900
NCBI GeneID	2073
NCBI Accession #	NP_000114.2
NCBI GenBank Nucleotide #	NM_000123.3
UniProt Accession #	P28715; Q5JUS4; Q5JUS5; Q7Z2V3; Q8IZL6; Q8N1B7; Q9HD59; A6NGT4
Molecular Weight	133,108 Da
NCBI Official Full Name	DNA repair protein complementing XP-G cells
NCBI Official Synonym Full Names	excision repair cross-complementing rodent repair deficiency, complementation group 5
NCBI Official Symbol	ERCC5
NCBI Official Synonym Symbols	XPG; UVDR; XPGC; COFS3; ERCM2
NCBI Protein Information	DNA repair protein complementing XP-G cells; XPG-complementing protein; DNA excision repair protein ERCC-5; xeroderma pigmentosum, complementation group G
UniProt Protein Name	DNA repair protein complementing XP-G cells
UniProt Gene Name	ERCC5
UniProt Synonym Gene Names	ERCM2; XPG; XPGC
UniProt Entry Name	ERCC5_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/ercc5-xpg-antibody-immunohistochemistry-immunoprecipitation-western-blot-elisa/211499>