

Rabbit XPA Polyclonal Antibody | anti-XPA antibody

XPA Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326280	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

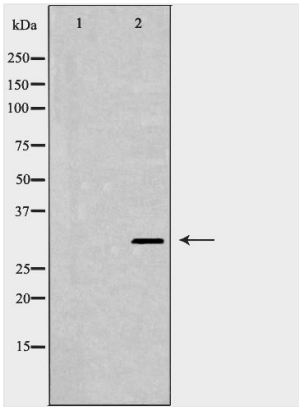
PRODUCT SYNONYMS

XPA; Polyclonal Antibody; XPA Antibody; DNA repair protein complementing XP A cells; DNA repair protein complementing XP-A cells; DNA repair protein complementing XPA cells; Excision repair controlling; Xeroderma pigmentosum 1; Xeroderma pigmentosum complementation group A; Xeroderma pigmentosum group A complementing protein; Xeroderma pigmentosum group A-complementing protein; XP 1; XP1; xpa; XPA_HUMAN; Xpac; anti-XPA antibody

PRODUCT SPECIFICATIONS

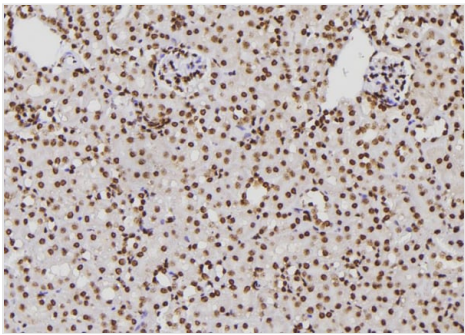
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	XPA antibody detects endogenous levels of total XPA
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	273
Applicable Applications for anti-XPA antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human XPA
Subcellular Location	Nucleus.
Tissue Specificity	Expressed in various cell lines and in skin fibroblasts.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts of HEK-293, using XPA antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326280 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-XPA antibody

Description: This gene encodes a zinc finger protein involved in DNA excision repair. The encoded protein is part of the NER (nucleotide excision repair) complex which is responsible for repair of UV radiation-induced photoproducts and DNA adducts induced by chemical carcinogens. Mutations in this gene are associated with xeroderma pigmentosum complementation group A. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2009]

Function: Involved in DNA excision repair. Initiates repair by binding to damaged sites with various affinities, depending on the photoproduct and the transcriptional state of the region. Required for UV-induced CHEK1 phosphorylation and the recruitment of CEP164 to cyclobutane pyrimidine dimmers (CPD), sites of DNA damage after UV irradiation.

Subunit Structure: Interacts with GPN1. Interacts with RPA1 and RPA2; the interaction is direct and associates XPA with the RPA complex. Interacts (via N-terminus) with CEP164 upon UV irradiation. Interacts with HERC2.

Post-translational Modifications: ATR-dependent phosphorylation of XPA at Ser-196 is important for cell survival in response to UV damage. Ubiquitinated by HERC2 leading to degradation by the proteasome.

Similarity: Belongs to the XPA family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507937
NCBI GeneID	7507
NCBI Accession #	NP_000371.1
NCBI GenBank Nucleotide #	NM_000380.3
UniProt Accession #	P23025; Q5T1U9; Q6LCW7; Q6LD02
Molecular Weight	Observed: 31 kDa Predicted: 32 kDa
NCBI Official Full Name	DNA repair protein complementing XP-A cells isoform 1
NCBI Official Synonym Full Names	XPA, DNA damage recognition and repair factor
NCBI Official Symbol	XPA
NCBI Official Synonym Symbols	XP1; XPAC
NCBI Protein Information	DNA repair protein complementing XP-A cells
UniProt Protein Name	DNA repair protein complementing XP-A cells
UniProt Gene Name	XPA

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/xpa-antibody-immunohistochemistry-western-blot-elisa/326280>