Rabbit anti-Human XPA Polyclonal Antibody | anti-XPA antibody

XPA Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA290269	**Rabbit**	**Human**	**Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, Western Blot**

PRODUCT SYNONYMS

XPA; Polyclonal Antibody; XPA Antibody (C-term); DNA repair protein complementing XP-A cells; Xeroderma pigmentosum group A-complementing protein; XPAC; anti-XPA antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This XPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-250 amino acids from the C-terminal region of human XPA.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	221-250
Sequence Length	273
Applicable Applications for anti-XPA antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

FCM/FACS (Flow Cytometry)
XPA Antibody (C-term) flow cytometric analysis of NCI-H460 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human lung carcinoma reacted with XPA Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

WB (Western Blot)
Western blot analysis of XPA Antibody (C-term) in NCI-H460 cell line lysates (35ug/lane). XPA (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-XPA antibody	XPA is involved in DNA excision repair. It initiates repair by binding to damaged sites with various affinities, depending on the photoproduct and the transcriptional state of the region. This protein is required for UV-induced CHK1 phosphorylation and the recruitment of CEP164 to cyclobutane pyrimidine dimmers (CPD), sites of DNA damage after UV irradiation.
References	States J.C., et.al., Hum. Mutat. 12:103-113(1998).

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	31368
NCBI Official Full Name	DNA repair protein complementing XP-A cells
NCBI Official Synonym Full Names	xeroderma pigmentosum, complementation group A
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**
UniProt Synonym Gene Names	XPAC
UniProt Entry Name	XPA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
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