

Mouse anti-Human XPA Monoclonal Antibody | anti-XPA antibody

XPA antibody

CATALOG # AAA48959	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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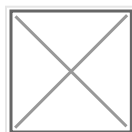
PRODUCT SYNONYMS

XPA; Monoclonal Antibody; XPA antibody; anti-XPA antibody

PRODUCT SPECIFICATIONS

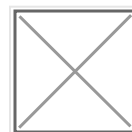
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT71H3
Purity/Purification	By protein-A affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	273
Applicable Applications for anti-XPA antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human XPA (1-273aa) purified from E. coli.
Clone Note	Anti-human XPA mAb, clone AT71H3, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human XPA protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of XPA in HaLa cells. The cell was stained with ATGA0502 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).



WB (Western Blot)

The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human XPA antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: SW480 cell lysate Lane 2.: K562 cell lysate Lane 3.: MCF7 cell lysate Lane 4.: LNCaP cell lysate Lane 5.: Raji cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-XPA antibody	XPA, also known as DNA repair protein complementing XP-A cells, belong to the XPA family. This protein 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. Defects in XPA are a cause of xeroderma pigmentosum complementation group A (XP-A), which is a rare human autosomal recessive disease characterized by solar sensitivity, high predisposition for developing cancers on areas exposed to sunlight and, in some cases, neurological abnormalities.
Product Categories/Family for anti-XPA antibody	Epigenomics; Transcription & Translation
References	Pan Y.R., et al. (2009) Cell Cycle 8:655-664 James, et al. (2005) Andrews Diseases of the Skin: Clinical Dermatology. (10th ed.). Saunders.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507937
NCBI GeneID	7507
NCBI Accession #	NP_000371
NCBI GenBank Nucleotide #	NM_000380.3
UniProt Accession #	P23025; Q5T1U9; Q6LCW7; Q6LD02
Molecular Weight	31,368 Da
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
UniProt Synonym Gene Names	XPAC

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/xpa-antibody-clone-at71h3-immunofluorescence-immunocytochemistry-western-blot-elisa/48959>