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XPA Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8784b

Specification

XPA Antibody (C-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P23025
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit Ig**
Calculated MW	**31368**
Antigen Region	**221-250**

XPA Antibody (C-term) - Additional Information

Gene ID 7507

Other Names
DNA repair protein complementing XP-A cells, Xeroderma pigmentosum group A-complementing protein, XPA, XPAC

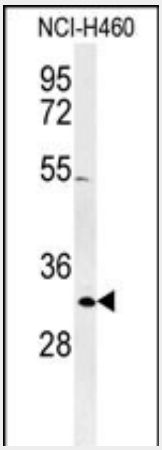
Target/Specificity
This XPA antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 221-250 amino acids from the C-terminal region of human XPA.

Dilution
WB~~1:1000
IHC-P~~1:50~100
FC~~1:10~50

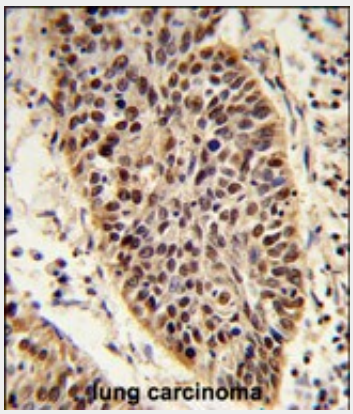
Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
XPA Antibody (C-term) is for research use only and not for use in diagnostic or



Western blot analysis of XPA Antibody (C-term) (Cat. #AP8784b) in NCI-H460 cell line lysates (35ug/lane). XPA (arrow) was detected using the purified Pab.



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.

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therapeutic procedures.

XPA Antibody (C-term) - Protein Information

Name XPA

Synonyms XPAC

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.

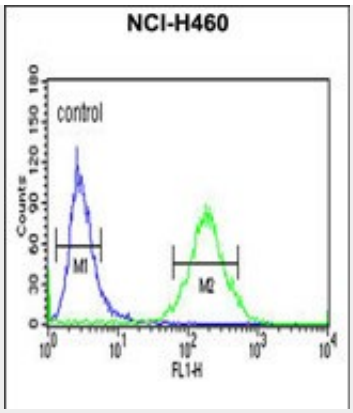
Cellular Location
Nucleus

Tissue Location
Expressed in various cell lines and in skin fibroblasts.

XPA Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture



XPA Antibody (C-term) (Cat. #AP8784b) 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.

XPA Antibody (C-term) - Background

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.

XPA Antibody (C-term) - References

States J.C., et.al., Hum. Mutat. 12:103-113(1998).