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XPA Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP13836b

Specification

XPA Antibody (C-term) Blocking peptide - Product Information

Primary Accession P23025

XPA Antibody (C-term) Blocking peptide - Additional Information

Gene ID 7507

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

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP13836b was selected from the C-term region of XPA. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

XPA Antibody (C-term) Blocking peptide - 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.

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XPA Antibody (C-term) Blocking peptide - Protocols

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

- Blocking Peptides

XPA Antibody (C-term) Blocking peptide - Images

XPA Antibody (C-term) Blocking peptide - Background

This gene encodes a zinc finger protein involved in DNAexcision repair. The encoded protein is part of the NER (nucleotideexcision repair) complext which is responsible for repair of UVradiation-induced photoproducts and DNA adducts induced by chemicalcarcinogens. Mutations in this gene are associated with xerodermapigmentosum complementation group A. Alternatively splicedtranscript variants have been found for this gene. [provided byRefSeq].

XPA Antibody (C-term) Blocking peptide - References

Palli, D., et al. Mutagenesis 25(6):569-575(2010)Fan, W., et al. Mol. Cell 39(2):247-258(2010)Ho-Pun-Cheung, A., et al. Pharmacogenomics J. (2010) In press :Hsieh, Y.Y., et al. Anticancer Res. 30(6):2203-2208(2010)Jelonek, K., et al. J. Appl. Genet. 51(3):343-352(2010)