

产品名称: XPA Rabbit Polyclonal Antibody
产品货号: APRab19958



产品概述 (Summary)

产品名称 (Production Name)	XPA Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	XPA
别名 (Alternative Names)	XPA; XPAC; DNA repair protein complementing XP-A cells; Xeroderma pigmentosum group A-complementing protein
基因 ID (Gene ID)	7507.0
蛋白 ID (SwissProt ID)	P23025.The antiserum was produced against synthesized peptide derived from human XPA. AA range:211-260

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	40kDa

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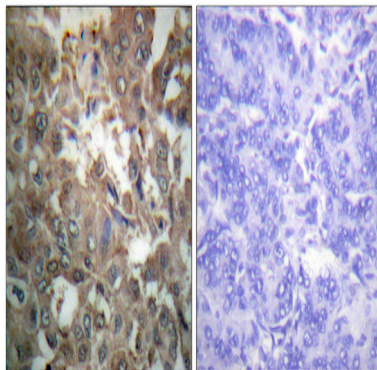
研究背景 (Background)

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],disease:Defects in XPA are a cause of xeroderma pigmentosum complementation group A (XP-A) [MIM:278700]; also known as xeroderma pigmentosum type 1 (XP1). XP-A 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. Group A patients show the most severe skin symptoms and progressive neurological disorders.,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 CHK1 phosphorylation and the recruitment of CEP164 to cyclobutane pyrimidine dimers (CPD), sites of DNA damage after UV irradiation.,PTM:Phosphorylated upon DNA damage, probably by ATM or ATR.,similarity:Belongs to the XPA family.,subunit:Interacts with XAB1 and RPA1. Interacts (via N-terminus) with CEP164 upon UV irradiation.,tissue specificity:Expressed in various cell lines and in skin fibroblasts.,

研究领域 (Research Area)

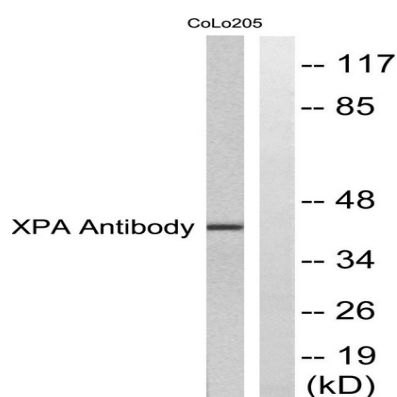
Nucleotide excision repair;

图片 (Image Data)

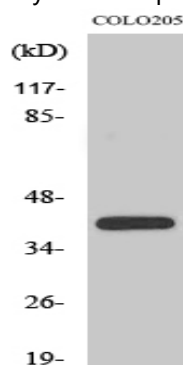


Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using XPA Antibody. The picture on the right is blocked with the synthesized peptide.

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Western blot analysis of lysates from COLO205 cells, using XPA Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using XPA Polyclonal Antibody diluted at 1: 500. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA) .

注意事项 (Note)

For research use only .