Product Name: XPA (Phospho-Ser196) Rabbit Polyclonal Antibody
Catalog #: APRab06115
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000
Molecular Weight	30kDa

Antigen Information

Gene Name	XPA
Alternative Names	DNA repair protein complementing XP-A cells (Xeroderma pigmentosum group A-complementing protein)
Gene ID	7507.0
SwissProt ID	P23025
Immunogen	Synthesized peptide derived from human XPA (Phospho-Ser196)

Background

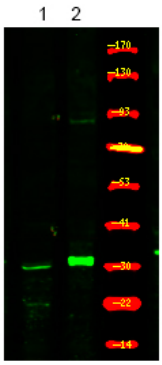
disease:Defects in XPA are a cause of xeroderma pigmentosum complementation group A (XP-A) [MIM:278700]; also known as

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 dimmers (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.,

Research Area

Nucleotide excision repair;

Image Data



Western Blot analysis of 1 Hela cell, 2 Serum-free treated ,using primary antibody at 1:1000 dilution. Secondary antibody was diluted at 1:10000