

## XPA Antibody

Catalog No: #33544

Package Size: #33544-1 50ul #33544-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

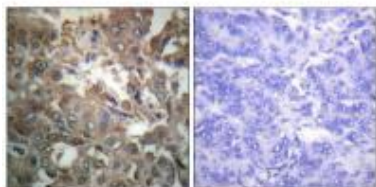
Product Name	XPA Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total XPA protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from Internal of human XPA.
Target Name	XPA
Other Names	DNA-repair protein complementing XP-A cells; XPAC; Xeroderma pigmentosum group A complementing protein;
Accession No.	Swiss-Prot: P23025NCBI Gene ID: 7507
SDS-PAGE MW	40kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

## Application Details

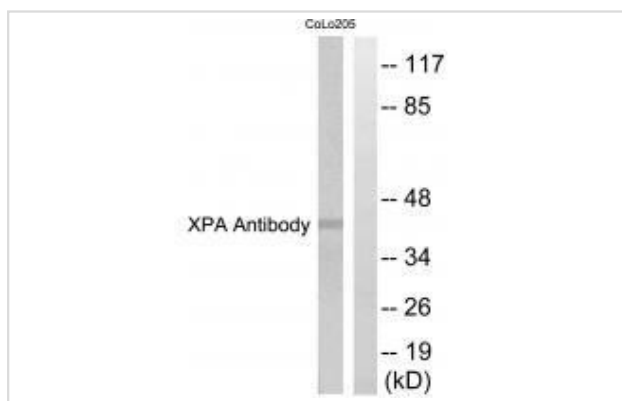
Western blotting: 1:500~1:3000

Immunohistochemistry: 1:50~1:100

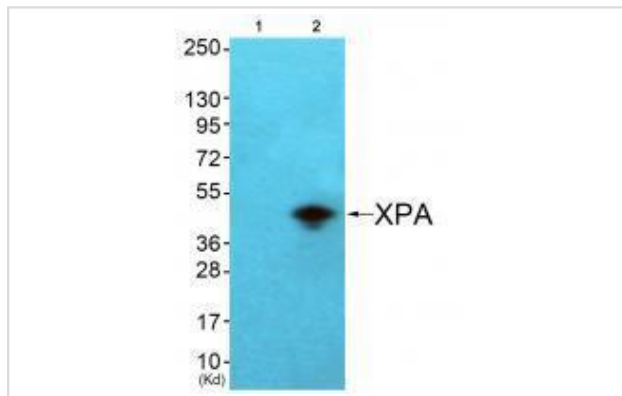
## Images



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue using XPA antibody #33544.



Western blot analysis of extracts from COLO205 cells, using XPA antibody #33544.



Western blot analysis of extracts from COS7 cells (Lane 2), using XPA antibody #33544. The lane on the left is treated with synthesized peptide.

## Background

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 dimers (CPD), sites of DNA damage after UV irradiation.

Gary W. Daughdrill, *Nucleic Acids Res.*, Jul 2003; 31: 4176 - 4183.

Esther M. Hoogervorst, *Carcinogenesis*, Mar 2003; 24: 613 - 619.

Karen M. Vasquez, *PNAS*, Apr 2002; 99: 5848.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.