

# XPA antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI14632

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">P23025</a>
<b>Other Accession</b>	<a href="#">NM_000380</a> , <a href="#">NP_000371</a>
<b>Reactivity</b>	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Dog, Horse, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	31368

## Additional Information

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<b>Gene ID</b>	7507
<b>Alias Symbol</b>	XP1, XPAC
<b>Other Names</b>	DNA repair protein complementing XP-A cells, Xeroderma pigmentosum group A-complementing protein, XPA, XPAC
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 50 ul of distilled water. Final anti-XPA antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	XPA antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	XPA
<b>Synonyms</b>	XPAC
<b>Function</b>	Involved in DNA nucleotide excision repair (NER). 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 (PubMed: <a href="#">19197159</a> ). During NER stimulates the 5'-3' helicase activity of XPD/ERCC2 and the DNA translocase activity of XPB/ERCC3 (PubMed: <a href="#">31253769</a> ). Connects XPD/ERCC2 and XPB/ERCC3 during NER, retaining DNA near the XPB/ERCC3 active site,

and stabilizing the complex in a different conformation than in transcribing TFIIH (PubMed:[31253769](#)).

**Cellular Location** Nucleus

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

## References

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Tanaka K.,et al.Nature 348:73-76(1990).

Kalnine N.,et al.Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.

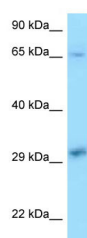
Humphray S.J.,et al.Nature 429:369-374(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Satokata I.,et al.Gene 136:345-348(1993).

## Images

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WB Suggested Anti-XPA Antibody Titration: 1.0 µg/ml  
Positive Control: RPMI-8226 Whole Cell

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.