

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human XPA in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human XPA Met1-Met273 Accession # P23025
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

The Xeroderma Pigmentosum A (XPA) protein is a component of a large complex that binds to damaged DNA to facilitate nucleotide excision repair (NER). XPA binds in a complex with Replication Protein A (RPA), XPG, and TFIIH (a subcomplex of the RNA polymerase II transcription initiation complex). XPA is thought to stabilize the binding of RPA to DNA, and thus aid in specific recognition of the damaged base. Because of their NER defect, XP patients exhibit hypersensitivity to ultraviolet light and have a heightened incidence of skin cancer.

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