

Rabbit anti-Human XPC Polyclonal Antibody | anti-XPC antibody

Anti-XPC Antibody, Rabbit Polyclonal

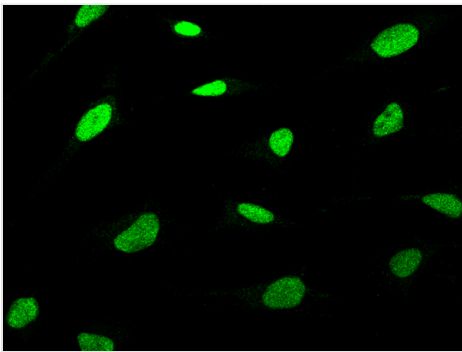
CATALOG # AAA257592	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Immunohistochemistry
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PRODUCT SYNONYMS

XPC; Polyclonal Antibody; Anti-XPC Antibody; Rabbit Polyclonal; XPC Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-p125 Antibody; Anti-RAD4 Antibody; Anti-XP3 Antibody; Anti-XPCC Antibody; xeroderma pigmentosum; complementation group C; anti-XPC antibody

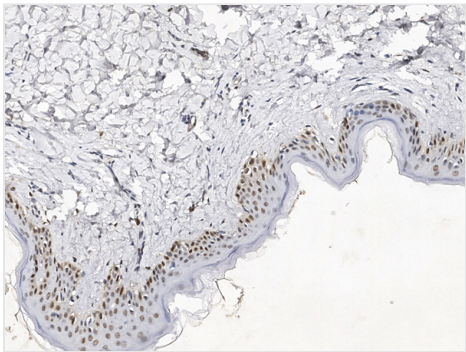
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human XPC
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid. PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-XPC antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human XPC fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human XPC fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.



IF (Immunofluorescence)

Immunofluorescence staining of XPC in Hela cells. Cells were fixed with 4% PFA, permeabilized with 0.3% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human XPC polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor-488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.



IHC (Immunohistochemistry)

Immunochemical staining of human XPC in human skin with rabbit polyclonal antibody at 1:2000 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-XPC antibody	Background: XPC (XPC Complex Subunit, DNA Damage Recognition And Repair Factor) is a Protein Coding gene. The XPC gene, located on 3p25.1, is conserved in chimpanzee, Rhesus monkey, dog, cow, mouse, rat, chicken, zebrafish, and frog. The XPC protein is a component of a heterotrimeric complex that is essential for damage recognition in a nucleotide excision repair subpathway that operates throughout the genome. The encoded protein is important for damage sensing and DNA binding and shows a preference for single-stranded DNA. XPC is widely expressed in the ovary, kidney, and other tissues. Diseases associated with XPC include Xeroderma Pigmentosum, Complementation Group C, and Xeroderma Pigmentosum, Variant Type. Defects in XPC lead to carcinogenesis and the progression of many human cancers.
References	Zebian A, et al. (2019) Xpc beyond nucleotide excision repair and skin cancers. Mutat Res 782 108286.Wang H, et al. (2019) Xpc deficiency leads to centrosome amplification by inhibiting brca1 expression upon cisplatin-mediated DNA damage in human bladder cancer. Cancer Lett 444 136-146.Sugasawa K (2008) Xpc: Its product and biological roles. Adv Exp Med Biol 637 47-56.Bidon B, et al. (2018) Xpc is an rna polymerase ii cofactor recruiting atac to promoters by interacting with e2f1. Nat Commun 9 (1): 2610.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.