Xeroderma Pigmentosum, Complementation Group C (XPC) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Xeroderma Pigmentosum, Complementation Group C (XPC), Polyclonal Antibody
Full Product Name	HRP-Linked Polyclonal Antibody to Xeroderma Pigmentosum, Complementation Group C (XPC)
Product Gene Name	anti-XPC antibody
Product Synonym Names	XP-C; XP3; XPCC; RAD4; Xeroderma Pigmentosum Group C Protein; DNA repair protein complementing XP-C cells
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Rat
Concentration	500ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: XPC (MBS2014599) HRP Conjugated Antibody: XPC (MBS2042789)
Matching Pairs	HRP Conjugated Antibody: XPC (MBS2042789) Immunogen: XPC (MBS2018772)
Molecular Weight	15,712 Da
OMIM	D21089 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	XPC (Glu734~Leu933)
Conjugation	HRP
Cross Reactivity	Human, Rat
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2014599
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-XPC antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-XPC antibody	MBS2042789 is an antibody targeting XPC. Also known as HRP-Linked Polyclonal Antibody to Xeroderma Pigmentosum, Complementation Group C (XPC). Reactive in Human, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-XPC antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for XPC. It may not necessarily be applicable to this product.

NCBI GI #	16741636
NCBI GeneID	7508
NCBI Accession #	AAH16620.1

UniProt Secondary Accession #	Q53GT7; Q96AX0; B4DIP3; E9PB96; E9PH69
UniProt Related Accession #	Q01831
NCBI Official Full Name	Xeroderma pigmentosum, complementation group C
NCBI Official Synonym Full Names	XPC complex subunit, DNA damage recognition and repair factor
NCBI Official Symbol	XPC
NCBI Official Synonym Symbols	XP3; RAD4; XPCC; p125
UniProt Protein Name	DNA repair protein complementing XP-C cells
UniProt Synonym Protein Names	Xeroderma pigmentosum group C-complementing protein; p125
Protein Family	DNA repair protein
UniProt Gene Name	XPC
UniProt Synonym Gene Names	XPCC
NCBI Protein Information	DNA repair protein complementing XP-C cells
NCBI Summary for XPC	This gene encodes a component of the nucleotide excision repair (NER) pathway. There are multiple components involved in the NER pathway, including Xeroderma pigmentosum (XP) A-G and V, Cockayne syndrome (CS) A and B, and trichothiodystrophy (TTD) group A, etc. This component, XPC, plays an important role in the early steps of global genome NER, especially in damage recognition, open complex formation, and repair protein complex formation. Mutations in this gene or some other NER components result in Xeroderma pigmentosum, a rare autosomal recessive disorder characterized by increased sensitivity to sunlight with the development of carcinomas at an early age. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Mar 2009]
UniProt Comments for XPC	XPC: a probable nuclear protein involved in DNA excision repair. May play a part in DNA damage recognition and/or in altering chromatin structure to allow access by damage-processing enzymes. Defects in XPC are a cause of xeroderma pigmentosum complementation group C. Protein type: DNA repair, damage Chromosomal Location of Human Ortholog: 3p25.1 Cellular Component: cytoplasm; nucleolus; nucleoplasm; nucleus; plasma membrane Molecular Function: bubble DNA binding; damaged DNA binding; loop DNA binding; protein binding; single-stranded DNA binding Biological Process: DNA repair; mismatch repair; nucleotide-excision repair; nucleotide-excision repair, DNA damage recognition; nucleotide-excision repair, DNA duplex unwinding; nucleotide-excision repair, preincision complex assembly; protein sumoylation Disease: Xeroderma Pigmentosum, Complementation Group C
Research Articles on XPC	**1.** XPC polymorphisms are associated with gastric cancer and atrophic gastritis risks.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-rat-antibody/xeroderma-pigmentosum-complementation-group-c-xpc/2042789