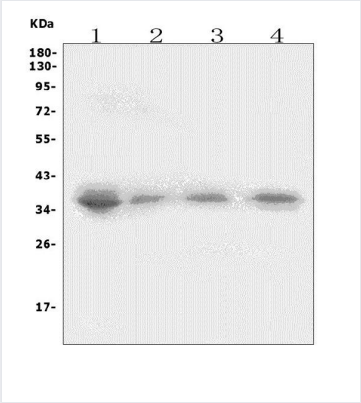
XRCC2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	XRCC2, Polyclonal Antibody
Full Product Name	Anti-XRCC2 Antibody
Product Gene Name	anti-Xrcc2 antibody
Product Synonym Names	DNA repair protein XRCC2; X-ray repair cross-complementing protein 2; Xrcc2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Purity/Purification	Immunogen affinity purified.
Specificity	No cross reactivity with other proteins.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.
3D Structure	ModBase 3D Structure for Q9CX47
Immunogen	E Coli-derived mouse XRCC2 recombinant protein (Position: K54-K259).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for anti-Xrcc2 antibody	Western Blot (WB), Direct ELISA (EIA)
Application Notes for anti-Xrcc2 antibody	WB: 0.25-0.5ug/ml (Human, Mouse, Rat) Direct ELISA: 0.1-0.5ug/ml (Mouse) Tested Species: In-house tested species with positive results.
Related Product Information for anti-Xrcc2 antibody	Description: Rabbit IgG polyclonal antibody for XRCC2 detection. Tested with WB, Direct ELISA in Human; Mouse; Rat. Background: DNA repair protein XRCC2 is a protein that in humans is encoded by the XRCC2 gene.This gene encodes a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. This gene is involved in the repair of DNA double-strand breaks by homologous recombination and it functionally complements Chinese hamster irs1, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents.
Product References and Citations for anti-Xrcc2 antibody	1. Braybrooke, J. P., Spink, K. G., Thacker, J., Hickson, I. D. The RAD51 family member, RAD51L3, is a DNA-stimulated ATPase that forms a complex with XRCC2. J. Biol. Chem. 275: 29100-29106, 2000. 2. Deans, B., Griffin, C. S., Maconochie, M., Thacker, J. Xrcc2 is required for genetic stability, embryonic neurogenesis and viability in mice. EMBO J. 19: 6675-6685, 2000. 3. Johnson, R. D., Liu, N., Jasin, M. Mammalian XRCC2 promotes the repair of DNA double-strand breaks by homologous recombination. Nature 401: 397-399, 1999.
Other Notes	Small volumes of anti-Xrcc2 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.

Searchable Terms for Xrcc2 purchase	MBS1753024 is an antibody targeting Xrcc2. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-Xrcc2 antibody
Figure 1. Western blot analysis of Xrcc2 using anti-Xrcc2 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Xrcc2. It may not necessarily be applicable to this product.

NCBI GI #	31543969
NCBI GeneID	57434
NCBI Accession #	NP_065595.2
UniProt Primary Accession #	Q9CX47
UniProt Related Accession #	Q9CX47
GenBank Nucleotide #	NP_065595.2
NCBI Official Full Name	DNA repair protein XRCC2
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 2
NCBI Official Symbol	Xrcc2
NCBI Official Synonym Symbols	RecA; RAD51; 4921524O04Rik; 8030409M04Rik
UniProt Protein Name	DNA repair protein XRCC2
UniProt Synonym Protein Names	X-ray repair cross-complementing protein 2
Protein Family	DNA repair protein
UniProt Gene Name	Xrcc2
UniProt Entry Name	XRCC2_MOUSE
NCBI Protein Information	DNA repair protein XRCC2
Research Articles on Xrcc2	**1.** The homozygotes (knock-in mice with Xrcc2-c.T41C/p.Leu14Pro mutation) survived and exhibited meiotic arrest, azoospermia, premature ovarian failure and infertility.
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.

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