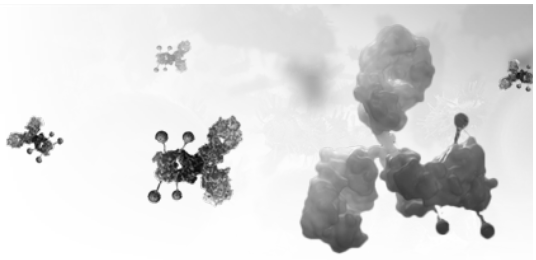

Anti-XRCC2 (N-terminal) polyclonal antibody (DPAB2014RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit anti-human X-ray repair cross-complementing protein 2 polyclonal antibody.
Antigen Description	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.
Specificity	This antibody reacts with a 32 kD protein, known as XRCC2 (XRay Cross Complementing 2). XRCC2 is essential for repairing double strand DNA breaks by homologous recombination between sister chromatids. It is homologous to Rad1. Five human homologues of RAD
Immunogen	A synthetic peptide derived from the N-terminus of human XRCC2 protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	IHC, WB
Cellular Localization	Cytoplasmic, cell membrane
Positive Control	Testis
Format	Purified immunoglobulin fraction of rabbit antiserum against human XRCC2 containing sodium azide as a preservative.

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Preservative	See individual product datasheet
Storage	Store at 2-8℃. Do not use beyond the expiration date stated on the label.

GENE INFORMATION

Gene Name	XRCC2 X-ray repair complementing defective repair in Chinese hamster cells 2 [Homo sapiens]
Synonyms	XRCC2; X-ray repair complementing defective repair in Chinese hamster cells 2; DNA repair protein XRCC2; X-ray repair cross-complementing protein 2; X-ray repair, complementing defective, repair in Chinese hamster; DKFZp781P0919; OTTHUMP00000200066
Entrez Gene ID	7516
Protein Refseq	NP_005422
UniProt ID	O43543
Chromosome Location	7q36.1
Pathway	Homologous recombination.
Function	ATP binding; DNA binding; DNA-dependent ATPase activity

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221