

Product datasheet for **TA301486**

XRCC3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IP, WB
Recommended Dilution:	Immunoprecipitation, Western Blot: 1:5000, ICC/IF (Negative)
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic partial peptide of human XRCC3.
Formulation:	PBS and 0.05% sodium azide
Purification:	Immunogen affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	X-ray repair complementing defective repair in Chinese hamster cells 3
Database Link:	NP_005423 Entrez Gene 7517 Human O43542

Background: Five human RAD51 homologs have been identified: XRCC2, XRCC3, RAD51B, RAD51C, and RAD51D. Each of these homologs interacts with one or more of the others, with all of the proteins involved in one complex or multiple smaller complexes. XRCC3 (x-ray cross complementing) was first identified as a human gene complementing the DNA damage sensitivity, chromosomal instability and impaired growth of the mutant hamster cell line irs1SF. This fact coupled with XRCC3 being a member of the RAD51 gene family have implied a role in the repair of DNA damage by homologous recombination.

Synonyms:	CMM6
Protein Families:	Druggable Genome
Protein Pathways:	Homologous recombination



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Product images:

Western Blot: XRCC3 Antibody TA301486 - Detection of XRCC3 (38 kDa) from HeLa cell extract using TA301486 (1:2500). Lanes 1 and 2 contain HCT116 and HeLa whole cell extracts, respectively.