

Datasheet for ABIN7150301
anti-XRCC3 antibody (AA 1-316)



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Overview

Quantity:	100 µg
Target:	XRCC3
Binding Specificity:	AA 1-316
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This XRCC3 antibody is un-conjugated
Application:	ELISA

Product Details

Immunogen:	Recombinant Human DNA repair protein XRCC3 protein (1-316AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	XRCC3
Alternative Name:	XRCC3 (XRCC3 Products)
Background:	Background: Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions.

Target Details

Part of the RAD21 paralog protein complex CX3 which acts in the BRCA1-BRCA2-dependent HR pathway. Upon DNA damage, CX3 acts downstream of RAD51 recruitment, the complex binds predominantly to the intersection of the four duplex arms of the Holliday junction (HJ) and to junctions of replication forks. Involved in HJ resolution and thus in processing HR intermediates late in the DNA repair process, the function may be linked to the CX3 complex and seems to involve GEN1 during mitotic cell cycle progression. Part of a PALB2-scaffolded HR complex containing BRCA2 and RAD51C and which is thought to play a role in DNA repair by HR. Plays a role in regulating mitochondrial DNA copy number under conditions of oxidative stress in the presence of RAD51 and RAD51C.

Aliases: CMM6 antibody, DNA repair protein XRCC3 antibody, RAD51 like antibody, X ray repair complementing defective repair in Chinese hamster antibody, X ray repair complementing defective repair in Chinese hamster cells 3 antibody, X ray repair cross complementing protein 3 antibody, X-ray repair cross-complementing protein 3 antibody, XRCC 3 antibody, XRCC3 antibody, XRCC3_HUMAN antibody

UniProt: [O43542](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.