

Rabbit anti-Mouse, Rat XRCC3 Polyclonal Antibody | anti-XRCC3 antibody

Anti-XRCC3 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45018	Rabbit	Mouse, Rat	Immunohistochemistry, Western Blot

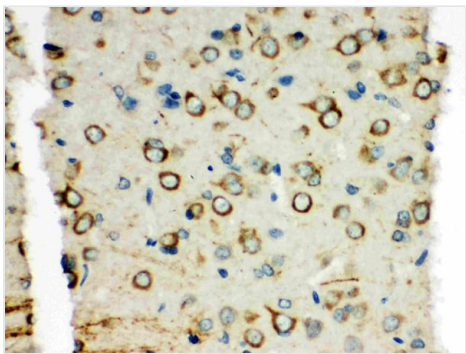
PRODUCT SYNONYMS

XRCC3; Polyclonal Antibody; Anti-XRCC3 antibody; DNA repair protein XRCC3; X-ray repair complementing defective repair in Chinese hamster cells 3; 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; anti-XRCC3 antibody

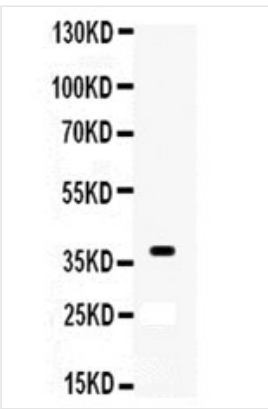
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	349
Applicable Applications for anti-XRCC3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse XRCC3 (290-305aa NQLLMRLMVDRTHEDD), identical to the related rat sequence.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-XRCC3 antibody, AAA45018, IHC(P)IHC(P): Rat Brain Tissue



WB (Western Blot)
Anti-XRCC3 antibody, AAA45018, Western blottingAll lanes: Anti XRCC3(AAA45018) at 0.5ug/mlWB: Mouse Brain Tissue Lysate at 50ugPredicted bind size: 38KDObserved bind size: 38KD

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC3 antibody	Description: Rabbit IgG polyclonal antibody for DNA repair protein XRCC3(XRCC3) detection. Tested with WB, IHC-P in Mouse, Rat. Background: XRCC3(X-RAY REPAIR, COMPLEMENTING DEFECTIVE, IN CHINESE HAMSTER, 3) is a DNA repair protein that in humans, is encoded by the XRCC3 gene. The XRCC3 is a member of the RecA/Rad51-related protein family that participates in homologous recombination to maintain chromosome stability and repair DNA damage. XRCC3 interacts directly with RAD51 and may cooperate with RAD51 during recombinational repair. XRCC3 function is not limited to HR initiation, but extends to later stages in formation and resolution of HR intermediates, possibly by stabilizing heteroduplex DNA. The gene functionally complements Chinese hamster irs1SF, a repair-deficient mutant that exhibits hypersensitivity to a number of different DNA-damaging agents and is chromosomally unstable. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20140780
NCBI GeneID	74335
UniProt Accession #	Q9CXE6
Molecular Weight	38,446 Da
NCBI Official Full Name	DNA repair protein XRCC3
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 3
NCBI Official Symbol	Xrcc3
NCBI Official Synonym Symbols	AI182522; AW537713; 4432412E01Rik
NCBI Protein Information	DNA repair protein XRCC3; X-ray repair cross-complementing protein 3
UniProt Protein Name	DNA repair protein XRCC3
UniProt Gene Name	Xrcc3
UniProt Entry Name	XRCC3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.