

Rabbit anti-Human XRCC3 Polyclonal Antibody | anti-XRCC3 antibody

XRCC3 Antibody

CATALOG # AAA305420	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunohistochemistry
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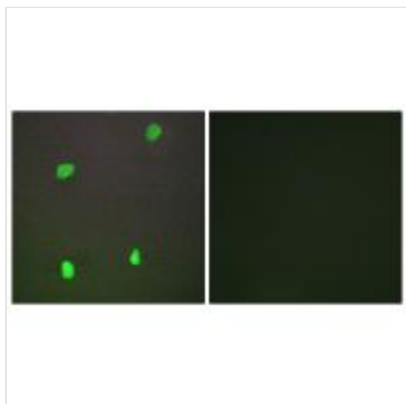
PRODUCT SYNONYMS

XRCC3; Polyclonal Antibody; XRCC3 Antibody; DNA-repair protein XRCC3; X-ray repair cross-complementing protein 3; anti-XRCC3 antibody

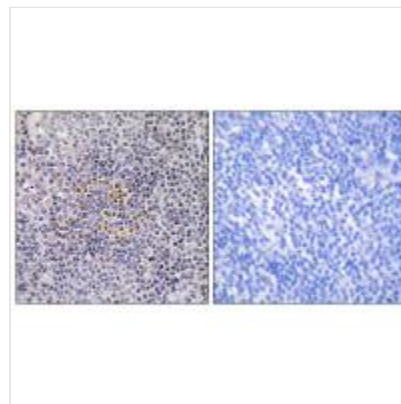
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total XRCC3 protein.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	346
Applicable Applications for anti-XRCC3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human XRCC3.
Target Name	XRCC3
Preparation and Storage	Store at -20 degree C

IMAGES


IF (Immunofluorescence)

Immunofluorescence analysis of COS-7 cells, using XRCC3 antibody.


IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human tonsil tissue using XRCC3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC3 antibody	Involved in the homologous recombination repair (HRR) pathway of double-stranded DNA, thought to repair chromosomal fragmentation, translocations and deletions. 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.Liu N., Mol. Cell 1:783-793(1998).Miller K.A., J. Biol. Chem. 277:8406-8411(2002).Liu N., Nucleic Acids Res. 30:1009-1015(2002).
Product Categories/Family for anti-XRCC3 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	153946427
NCBI GeneID	7517
NCBI Accession #	NP_001093588.1
NCBI GenBank Nucleotide #	NM_001100118.1
UniProt Accession #	O43542; O43568; Q9BU18
Molecular Weight	37,850 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	CMM6
NCBI Protein Information	DNA repair protein XRCC3
UniProt Protein Name	DNA repair protein XRCC3
UniProt Gene Name	XRCC3
UniProt Entry Name	XRCC3_HUMAN

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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/xrcc3-antibody-immunofluorescence-immunohistochemistry-elisa/305420>