

Rabbit XRCC1 Polyclonal Antibody | anti-XRCC1 antibody

Anti-XRCC1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA45146	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunohistochemistry, Western Blot

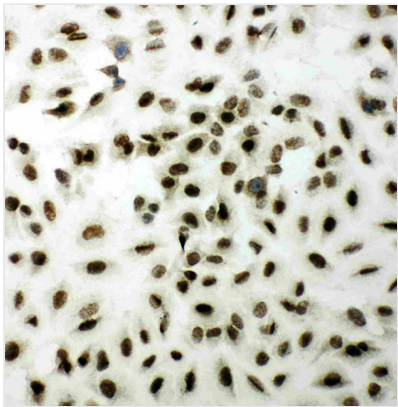
PRODUCT SYNONYMS

XRCC1; Polyclonal Antibody; Anti-XRCC1 antibody; DNA repair protein XRCC1; X-ray repair complementing defective repair in Chinese hamster cells 1; DNA repair protein XRCC1 antibody; RCC antibody; X ray repair complementing defective repair in chinese hamster antibody; X ray repair complementing defective repair in chinese hamster cells 1 antibody; X ray Repair Complementing Defective Repair in Chinese Hamster Cells antibody; X ray repair cross complementing protein 1 antibody; X ray repair; complementing defective; repair in Chinese hamster antibody; X-ray repair cross-complementing protein 1 antibody; XRCC 1 antibody; Xrcc1 antibody; XRCC1_HUMAN antibody; anti-XRCC1 antibody

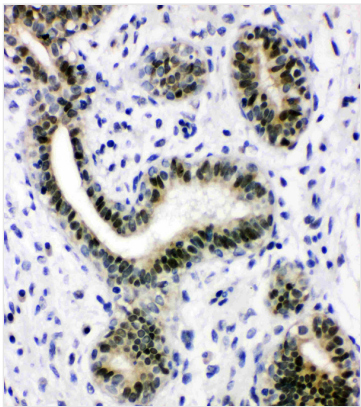
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	633
Applicable Applications for anti-XRCC1 antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human XRCC1 (15-34aa QDSTHCAENLLKADTYRKWR), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
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.

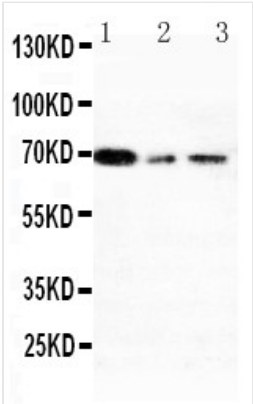
IMAGES



ICC (Immunocytochemistry)
Anti-XRCC1 antibody, AAA45146, ICCIC: A549 Cell



IHC (Immunohistochemistry)
Anti-XRCC1 antibody, AAA45146, IHC(P)IHC(P): Human Mammary Cancer Tissue



WB (Western Blot)
Anti-XRCC1 antibody, AAA45146, Western blottingLane 1: 293T Cell LysateLane 2: A431 Cell LysateLane 3: HELA Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC1 antibody

Description: Rabbit IgG polyclonal antibody for DNA repair protein XRCC1(XRCC1) detection. Tested with WB, IHC-P, ICC in Human, Mouse, Rat.

Background: XRCC1(X-RAY REPAIR, COMPLEMENTING DEFECTIVE, IN CHINESE HAMSTER, 1) is a DNA repair protein which complexes with DNA ligase III. The protein encoded by this gene is involved in the efficient repair of DNA single-strand breaks formed by exposure to ionizing radiation and alkylating agents. The XRCC1 gene is mapped to 19q13.31. The XRCC1 interacts with DNA ligase III, polymerase beta and poly(ADP-ribose) polymerase to participate in the base excision repair pathway. It may play a role in DNA processing during meiosis and recombination in germ cells. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity. XRCC1 is phosphorylated in vivo and in vitro by CK2, and CK2 phosphorylation of XRCC1 on ser518, thr519, and thr523 largely determines aprataxin binding to XRCC1 through its FHA domain.

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373290
NCBI GeneID	7515
UniProt Accession #	P18887; Q6IBS4; Q9HCB1
Molecular Weight	69,477 Da
NCBI Official Full Name	DNA repair protein XRCC1
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 1

NCBI Official Symbol	XRCC1
NCBI Official Synonym Symbols	RCC
NCBI Protein Information	DNA repair protein XRCC1; X-ray repair cross-complementing protein 1
UniProt Protein Name	DNA repair protein XRCC1
UniProt Gene Name	XRCC1
UniProt Entry Name	XRCC1_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://stage.aaabiotech.com/polyclonal/xrcc1-antibody-immunocytochemistry-immunohistochemistry-western-blot-elisa/45146>