Rabbit XRCC5 Polyclonal Antibody | anti-XRCC5 antibody

XRCC5 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA197726	**Rabbit**	**Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat**	**Western Blot, Immunohistochemistry**

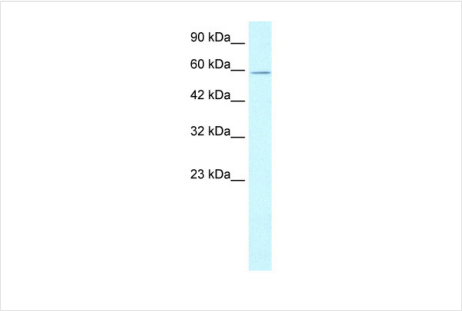
PRODUCT SYNONYMS

XRCC5; Polyclonal Antibody; XRCC5 antibody - C-terminal region; anti-XRCC5 antibody

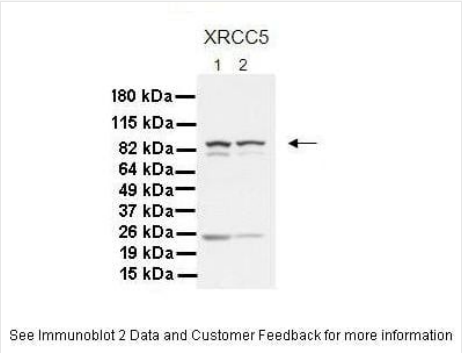
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Protein A purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Syntheticp eptideloca tedwithint hefollowin gregion:GI TLITKEEASG SSVTAEEAKK FLAPKDKPSG DTAAVFEEGG DVDDLLDM
Sequence Length	732
Applicable Applications for anti-XRCC5 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 92%; Dog: 92%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 85%; Rabbit: 93%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human XRCC5
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

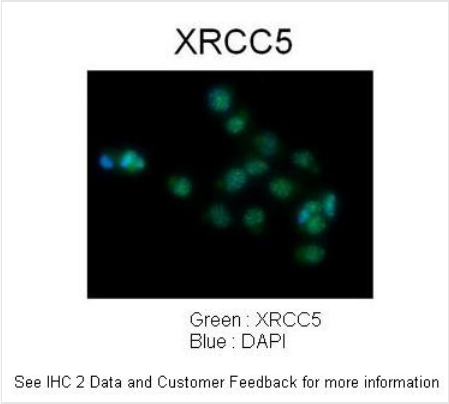
IMAGES



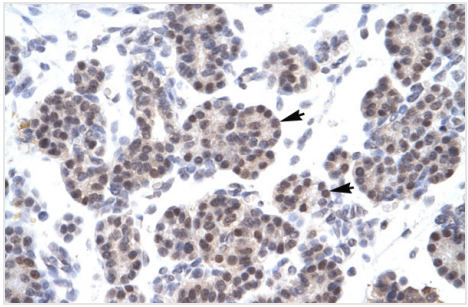
WB (Western Blot)
WB Suggested Anti-XRCC5 Antibody Titration: 1.25ug/mlELISA Titer: 1:12500Positive Control: Jurkat cell lysateXRCC5 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells



WB (Western Blot)
Lanes:1. 30 ug MiaPaca-2 cell lysate2. 30 ug Panc-1 cell lysatePrimary Antibody Dilution:1:1000Secondary Antibody:Goat anti-Rabbit HRPSecondary Antibody Dilution:1:4000Gene Name:XRCC5Submitted by:Dr. Crissy Dudgeon, Ph.D., CINJ



IHC (Immunohiostchemistry)
Sample Type :Human lung adenocarcinoma cell line A549Primary Antibody Dilution :1:100Secondary Antibody :Goat anti-rabbit AlexaFluor 488Secondary Antibody Dilution :1:400Color/Signal Descriptions :XRCC5: Green DAPI:BlueGene Name :XRCC5 Submitted by :Dr. Crissy Dudgeon, Ph.D., CINJ



IHC (Immunohistochemistry)
Human Pancreas

ADDITIONAL INFORMATION

Related Product Information for anti-XRCC5 antibody	This is a rabbit polyclonal antibody against XRCC5. It was validated on Western Blot and immunohistochemistry Target Description: XRCC5 encodes the 80-kilodalton subunit of the Ku heterodimer protein which is also known as ATP-dependant DNA helicase II or DNA repair protein XRCC5. Ku is the DNA-binding component of the DNA-dependent protein kinase, and it functions together with the DNA ligase IV-XRCC4 complex in the repair of DNA double-strand break by non-homologous end joining and the completion of V(D)J recombination events. This gene functionally complements Chinese hamster xrs-6, a mutant defective in DNA double-strand break repair and in ability to undergo V(D)J recombination. A rare microsatellite polymorphism in this gene is associated with cancer in patients of varying radiosensitivity.
Product Categories/Family for anti-XRCC5 antibody	Polyclonal; Transcription Regulation; DNA Damage & Repair; Disease Related; DNA/RNA/Protein Interactions; Immunohistochemistry; DNA Repair; Transcription Factors; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	10863945
NCBI GeneID	7520
NCBI Accession #	NP_066964
NCBI GenBank Nucleotide #	NM_021141
UniProt Accession #	Q4VBQ5; P13010
Molecular Weight	83kDa
NCBI Official Full Name	X-ray repair cross-complementing protein 5
NCBI Official Synonym Full Names	X-ray repair cross complementing 5
NCBI Official Symbol	XRCC5
NCBI Official Synonym Symbols	KU80; KUB2; Ku86; NFIV; KARP1; KARP-1
NCBI Protein Information	X-ray repair cross-complementing protein 5

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/polyclonal/xrcc5-antibody-western-blot-immunohistochemistry-elisa/197726