

Product Datasheet

XRCC4 Antibody - BSA Free

NBP1-89463

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Publications: 2

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NBP1-89463

XRCC4 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

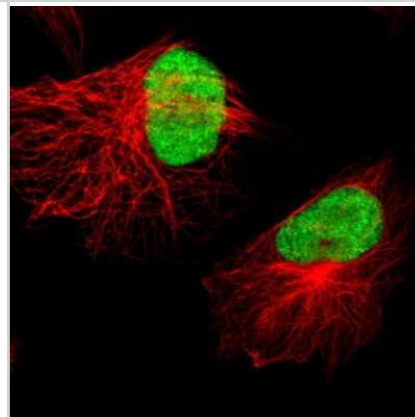
Product Description	
Description	Novus Biologicals Rabbit XRCC4 Antibody - BSA Free (NBP1-89463) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-XRCC4 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7518
Gene Symbol	XRCC4
Species	Human
Reactivity Notes	Reactivity reported in scientific literature (PMID: 23435261)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: KCVSAKEALETDLYKRFILVLNEKKTIRSLHNKLLNAAQEREKDIKQEGETAICS EMTADRDPVYDESTDEESENQTDLSGLASAAVSKDDSISSLVDVTDIAPSRKRR QRMQRNLGTEPKMAPQENQLQEK

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

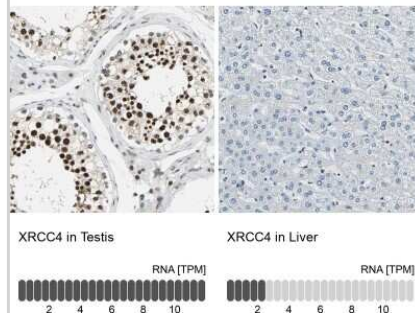


Images

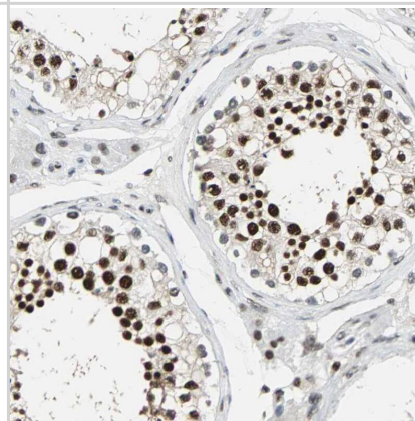
Immunocytochemistry/Immunofluorescence: XRCC4 Antibody [NBP1-89463] - Staining of human cell line U-251 MG shows localization to nucleus. Antibody staining is shown in green.



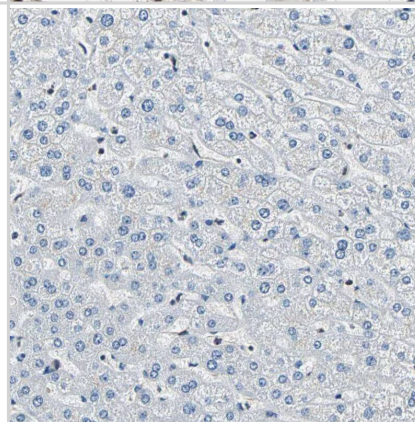
Immunohistochemistry-Paraffin: XRCC4 Antibody [NBP1-89463] - Analysis in human testis and liver tissues using NBP1-89463 antibody. Corresponding XRCC4 RNA-seq data are presented for the same tissues.



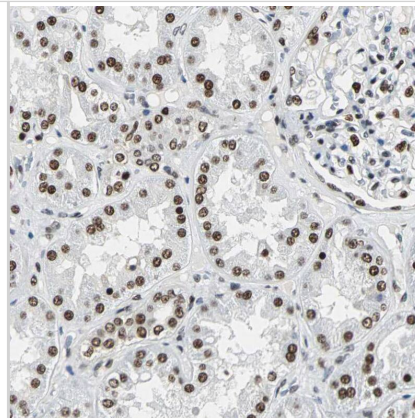
Staining of human testis shows strong nuclear positivity in cells in seminiferous ducts.



Staining of human liver shows no positivity in hepatocytes as expected.



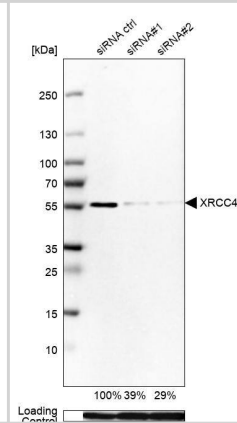
Staining of human kidney shows moderate nuclear positivity in cells in tubules.



Staining of human small intestine shows strong nuclear positivity in glandular cells.



Analysis in Rh30 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-XRCC4 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



Publications

Reid DA, Keegan S, Leo-Macias A et al. Organization and dynamics of the nonhomologous end-joining machinery during DNA double-strand break repair. *Proc Natl Acad Sci U S A* 2015-05-19 [PMID: 25941401] (WB, ICC/IF, Human)

Stadler C, Rexhepaj E, Singan VR et al. Immunofluorescence and fluorescent-protein tagging show high correlation for protein localization in mammalian cells. *Nat Methods* 2013-04-01 [PMID: 23435261]



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Products Related to NBP1-89463

NBP1-89463PEP	XRCC4 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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