

Product Datasheet

Ku80/XRCC5 Antibody - BSA Free NB100-508

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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NB100-508

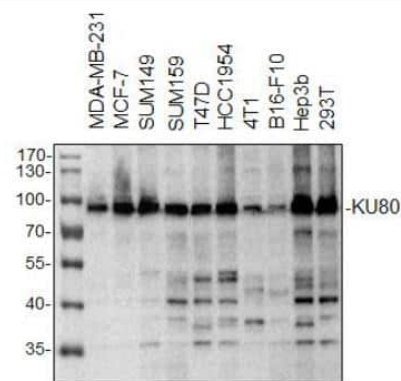
Ku80/XRCC5 Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
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	Immunogen affinity purified
Buffer	PBS
Product Description	
Host	Rabbit
Gene ID	7520
Gene Symbol	XRCC5
Species	Human, Mouse, Rat, Hamster
Specificity/Sensitivity	Reacts with residues 419-440 [LVYVQLPFMEDLRQYMFSSLKN] of the 80 kDa Ku80 protein. Sequence is 100% conserved between human, mouse, rat and hamster.
Immunogen	A synthetic peptide corresponding to residues 419-440 [LVYVQLPFMEDLRQYMFSSLKN] of the 80 kDa Ku80 protein.
Product Application Details	
Applications	Western Blot, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Application Notes	Use in Chromatin Immunoprecipitation reported in scientific literature (PMID:35031618) This antibody has only been tested in Western blot.

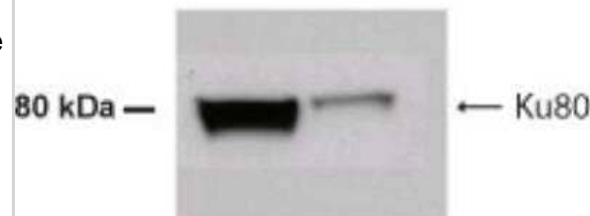


Images

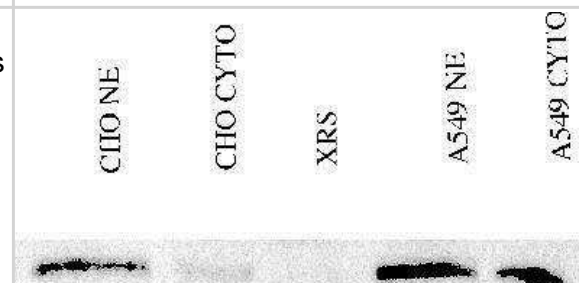
Western Blot: Ku80/XRCC5 Antibody [NB100-508] - MDA-MB-231, MCF-7, SUM149, SUM159, T47D, HCC1954, 4T1, B16-F10, Hep3b and 293T cells lysates (20 ug/lane). 10% SDS-PAGE. KU80 (NB100-508) primary antibody at 1:2000 dilution, 4C, overnight. Western blot image submitted by a verified customer review.



Western Blot: Ku80/XRCC5 Antibody [NB100-508] - Analysis of Ku80 using NB100-508 at 1:500 dilution on 50 ug of total lysates of A431 (lane 1) and AR42J (lane 2) cells.



Immunoprecipitation: Ku80/XRCC5 Antibody [NB100-508] - Detection of Ku80 in either CHO or A549 nuclear extracts (NE) or cytoplasmic lysates (cyto) using NB 100-508. A Ku80 deficient cell lysate, XRS, was used as a negative control.



Publications

Aiken CE, Tarry-Adkins JL, Spiroski AM et al. Chronic gestational hypoxia accelerates ovarian aging and lowers ovarian reserve in next-generation adult rats FASEB J. 2019-03-19 [PMID: 30888848]

Aiken CE, Tarry-Adkins JL, Spiroski AM et al. Chronic fetal hypoxia disrupts the peri-conceptual environment in next-generation adult female rats J. Physiol. (Lond.) 2019-02-21 [PMID: 30791124]

Gnedina O, Morshneva A, Skvortsova E, Igotti M HDAC Inhibitor Sodium Butyrate Attenuates the DNA Repair in Transformed but Not in Normal Fibroblasts International Journal of Molecular Sciences 2022-03-23 [PMID: 35408878] (IP, Mouse)

Yang Y, Lu H, Chen C et al. HIF-1 Interacts with TRIM28 and DNA-PK to release paused RNA polymerase II and activate target gene transcription in response to hypoxia Nature communications 2022-01-14 [PMID: 35031618] (IP)

Lorenzini A, Johnson FB, Oliver A et al. Significant correlation of species longevity with DNA double strand break recognition but not with telomere length. Mech Ageing Dev. 2009-11-01 [PMID: 19896964] (WB)

Details:

WB: DNA-Pk (IMG-534) & ku80/XRCC5 (IMG-4174). WB: Nuclear extracts from mouse, cow, and human, Fig 4.





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Products Related to NB100-508

NB100-508PEP	Ku80/XRCC5 Antibody Blocking Peptide
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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