

Product Datasheet

Ku80/XRCC5 Antibody (3D8) - Azide and BSA Free H00007520-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00007520-M02

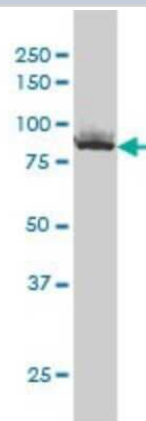
Ku80/XRCC5 Antibody (3D8) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	3D8
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	7520
Gene Symbol	XRCC5
Species	Human
Specificity/Sensitivity	XRCC5 - X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining; Ku autoantigen, 80kDa)
Immunogen	XRCC5 (AAH19027.1, 1 a.a. ~ 732 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MVRSGNKAADVLCMDVGFTMSNSIPGIESPFEQAKKVITMFVQRQVFAENKDEI ALVLFGTGTDNPLSGGDQYQNITVHRHMLPDLLEDIESKIQPGSQQADSL DALIVSMDVIQHETIGKKFEKRHIEFTDLSSRFSKSQLDIIHSLKKCDISLQFFLP FSLGKEDGSGDRGDGPFRLLGGHGPSFPLKGITEQQKEGLEIVKMVMISLEGED GLDEIYSFSESLRKLCVFKKIERHSIHWPCRLTIGSNLSIRIAAYKSILQERVKKT WTVVDAKTLKKEDIQKETVYCLNDDDETEVLKEDIQGFYRGSDIVPFSKVDEE QMKYKSEGKCFSVLGFCSSQVQRRFFMGNQVLKVFAARDDEAAVALSSLI HALDDLDMAIVRYAYDKRANPQVGVAFFPHIKHNYECLVYVQLPFMEDLRQYM FSSLKNSKKYAPTEAQLNAVDALIDMSLAKKDEKTDLTLEDLPTTKIPNPRFQR LFQCLLHRALHPREPLPPIQQHIWNMLNPPAEVTTKSQIPLSKIKTLFPLIEAKKK DQVTAQEIFQDNHEDGPTAKKLKTEQGGAHFSVSSLAEGSVTSVGSVNPAENF RVLVKQKKASFEEASNQLINHIEQFLDTNETPYFMKSIDCIRAFREEAIKFSEEQ RFNNFLKALQEKVEIKQLNHFWIIVVQDGIALITKEEASGSSVTAEAAKKFLAPK DKPSGDAAVFEEGGDVDDLLDMI
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Sandwich ELISA, Quantification
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Sandwich ELISA, Quantification
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA and IHC-P.



Images

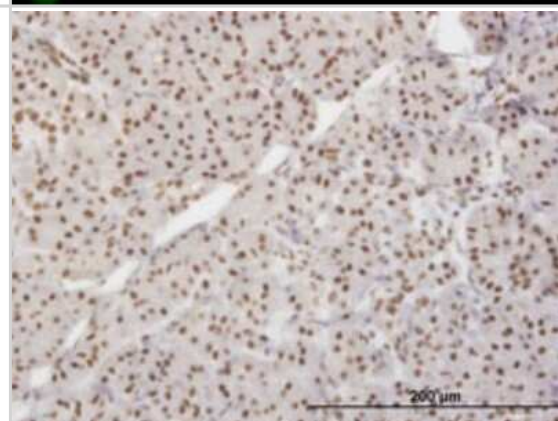
Western Blot: Ku80/XRCC5 Antibody (3D8) [H00007520-M02] - XRCC5 monoclonal antibody (M02), clone 3D8. Analysis of XRCC5 expression in A-431.



Immunocytochemistry/Immunofluorescence: Ku80/XRCC5 Antibody (3D8) [H00007520-M02] - Analysis of monoclonal antibody to XRCC5 on HeLa cell. Antibody concentration 10 ug/ml.



Immunohistochemistry-Paraffin: Ku80/XRCC5 Antibody (3D8) [H00007520-M02] - Analysis of monoclonal antibody to XRCC5 on formalin-fixed paraffin-embedded human pancreas. Antibody concentration 3 ug/ml.



Western Blot: Ku80/XRCC5 Antibody (3D8) [H00007520-M02] - Analysis of XRCC5 expression in transfected 293T cell line by XRCC5 monoclonal antibody (M02), clone 3D8. Lane 1: XRCC5 transfected lysate (82.7 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: Ku80/XRCC5 Antibody (3D8) [H00007520-M02] - Detection limit for recombinant GST tagged XRCC5 is 0.3 ng/ml as a capture antibody.



Publications

Halbert D, Domenyuk V, Spetzler D et al. Aptamers and uses thereof United States Patent Application US 9958448 B2 2018-01-01

Hasegawa T, Someya M, Hori M et al. Expression of Ku70 predicts results of radiotherapy in prostate cancer. Strahlenther Onkol 2016-07-27 [PMID: 27465041]

Hori M, Someya M, Matsumoto Y et al. Influence of XRCC4 expression in esophageal cancer cells on the response to radiotherapy. Med Mol Morphol 2016-06-23 [PMID: 27338590]

Nomura F, Sogawa K, Noda K et al. Serum anti-Ku86 is a potential biomarker for early detection of hepatitis C virus-related hepatocellular carcinoma. Biochem Biophys Res Commun. 2012-04-19 [PMID: 22554520]





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Products Related to H00007520-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
NBP1-87829PEP	Ku80/XRCC5 Recombinant Protein Antigen

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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