

Product Datasheet

Ku80/XRCC5 Antibody (5D5.8) NB100-103

Unit Size: 0.25 ml

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

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NB100-103

Ku80/XRCC5 Antibody (5D5.8)

Product Information	
Unit Size	0.25 ml
Concentration	0.2 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	5D5.8
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	85 kDa

Product Description	
Host	Mouse
Gene ID	7520
Gene Symbol	XRCC5
Species	Human
Reactivity Notes	Human.
Immunogen	HeLa whole cell extracts

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1:500, Simple Western 1:50, Flow Cytometry 1 ug per million cells, Immunocytochemistry/Immunofluorescence 1:10-1:20
Application Notes	<p>This Ku80 (5D5.8) antibody is useful for Immunocytochemistry/Immunofluorescence and Western Blot analysis where a band is seen at approx. 85 kDa. *The investigator should determine the optimal working dilution for a specific application.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.</p>

Publications

Monserrat J, Morales Torres C, Richardson L et al. Disruption of the MSL complex inhibits tumour maintenance by exacerbating chromosomal instability Nature cell biology 2021-04-01 [PMID: 33837287] (ICC/IF)

Heemers HV, Regan KM, Schmidt LJ, et al. Modulation of Coregulator Expression in Prostate Cancer Cells. Mol Endocrinol 2009-01-01 [PMID: 19164447] (WB, Human)

Nash K, Chen W, Salganik M et al. Identification of cellular proteins that interact with the adeno-associated virus rep protein. J Virol 2009-01-01 [PMID: 18971280] (WB, IP, Human, Chinese Hamster)



Procedures

Western Blot protocol for Ku80 Antibody (NB100-103)

Procedure Guide for NB 100-103 Western Blot

1. Proteins are separated on a 12% SDS/PAGE gel at 175V for 50 minutes. 2. Proteins are transferred to PVDF for 1.5 hours at 6V. 3. Following the protein transfer, the filters are blocked with 5% NFDM in PBS-T for 1.5 hours at room temperature, gently shaking. 4. Anti-Ku85 [NB 100-103] is diluted 1:500 in dilution buffer [1% BSA in PBS] and incubated with the filters for 1.5 hours at room temperature, gently shaking. 5. The filters are then washed 1x 15 minutes and then 3x5 minutes in wash buffer [PBS-T] at room temperature, gently shaking. 6. Secondary antibody [HRP conjugated goat anti-rabbit] is diluted in dilution buffer and incubated with the filters for 30 minutes at room temperature, gently shaking. 7. The filters are then washed 1x 15 minutes and then 3x5 minutes in wash buffer [PBS-T] at room temperature, gently shaking. 8. Western is developed using Pierce SuperSignal West Dura Extended Chemiluminescence reagent. NOTE: HeLa whole cell extracts (NB800-PC1) were used as a positive control for this antibody.





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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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