

Product Datasheet

DUX4 Antibody (P4H2) - Azide and BSA Free NBP2-80703

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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NBP2-80703

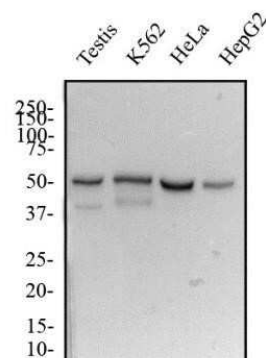
DUX4 Antibody (P4H2) - Azide and BSA Free

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	Monoclonal
Clone	P4H2
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	52 kDa
Product Description	
Description	Novus Biologicals Mouse DUX4 Antibody (P4H2) - Azide and BSA Free (NBP1-49552) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	100288687
Gene Symbol	DUX4
Species	Human
Immunogen	Synthetic peptide corresponding to the C-terminus of human DUX4. [Swiss-Prot: Q9UBX2]
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 0.5-2.0ug/ml, Simple Western 1:10, ELISA reported in scientific literature (PMID 21529284), Immunohistochemistry 1:100-1:200, Immunocytochemistry/ Immunofluorescence 1:100-1:200, Immunohistochemistry-Paraffin 1:100-1:200, Immunohistochemistry-Frozen 1:100-1:200
Application Notes	In Western blot, a band can be seen at approx. 52 kDa. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:10. Separated by Size-Wes, Sally Sue/Peggy Sue.

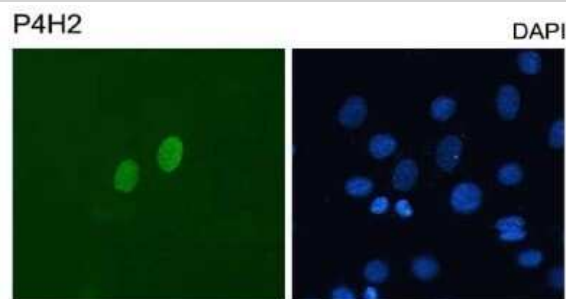


Images

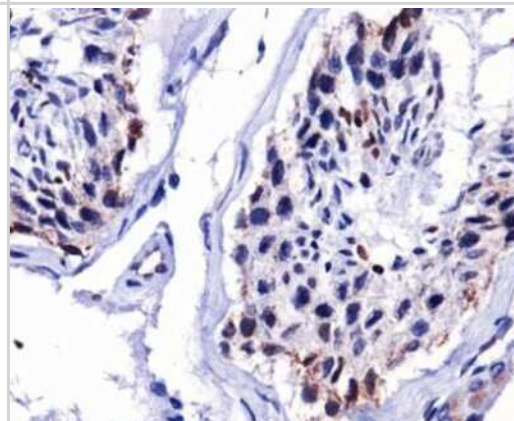
Western Blot: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Total protein from human testis tissue and human K562, HeLa and HepG2 cell lines was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-DUX4 in 1% non-fat milk in TBST and detected with an anti-mouse HRP secondary antibody using chemiluminescence. Image from the standard format of this antibody.



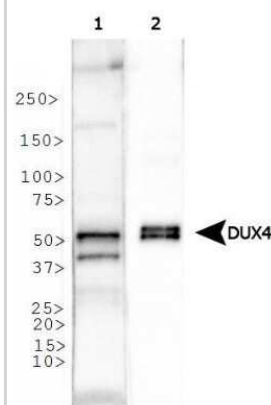
Immunocytochemistry/Immunofluorescence: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Detection of human DUX4 on C2C12 mouse myoblasts transfected with pCS2-DUX4. Cells were counterstained with DAPI for nuclei. Image from the standard format of this antibody.



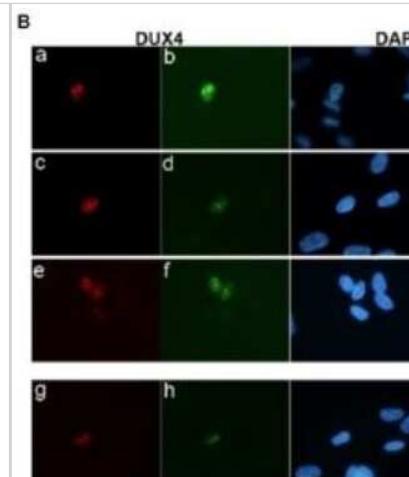
Immunohistochemistry: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Analysis of DUX4 on human testis Image from the standard format of this antibody.



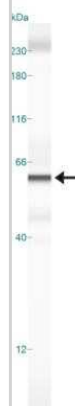
Western Blot: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Analysis of DUX4 expression in (1) human testis and (2) DUX4 protein lysates. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - A small number of FSHD muscle cells express a relatively large amount of DUX4. Cultured FSHD muscle cells were differentiated and immunostained with mAbs to DUX4. Cells were co-stained with the E5-5 rabbit mAb to the DUX4 C-terminal region (panels a, c, e) and the P2G4 mouse mAb to the N-term. region (panels b,d,f), or co-stained with the P4H2 mouse mAb to the C-terminal region and the E14-3 rabbit mAb to the N-term. region. Approximately 1 cell per 1000 showed nuclear staining and the co-localization of both the N-term. and C-term. regions indicates that these cells are expressing the full-length DUX4 protein. No positive nuclei were apparent in the control muscle cultures. Image collected and cropped by CiteAb from the following publication (<https://dx.plos.org/10.1371/journal.pgen.1001181>), licensed under a CC-BY license. Image from the standard format of this antibody.



Simple Western: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Lane view shows a specific band for DUX4 in 0.5 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.





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Products Related to NBP2-80703

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-58595PEP	DUX4 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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