

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

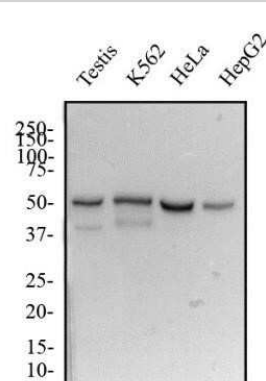
Product Description	
Description	Novus Biologicals Mouse DUX4 Antibody (P4H2) - Azide and BSA Free (NBP1-49552) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and Simple Western. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	100288687
Gene 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.

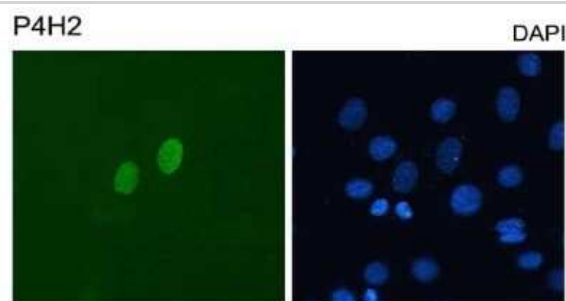


Images

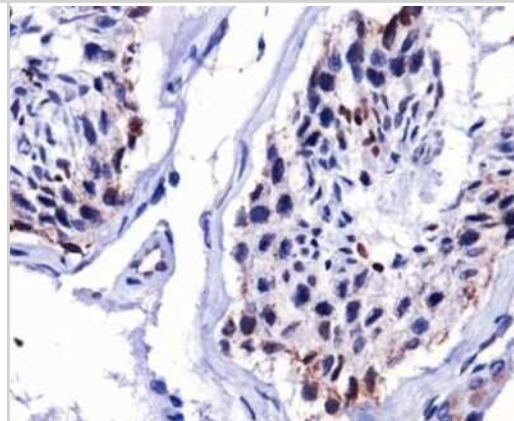
Western Blot: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Total protein from human testis tissue and human K562, HeLa and HepG2 cell lines was separated on a 12% gel by SDS-PAGE, transferred to PVDF membrane and blocked in 5% non-fat milk in TBST. The membrane was probed with 2.0 ug/ml anti-DUX4 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.



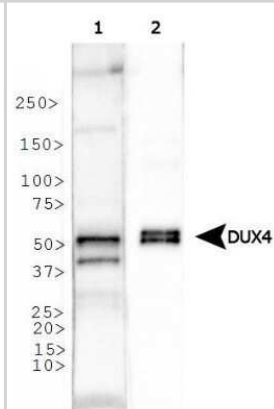
Immunocytochemistry/Immunofluorescence: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Detection of human DUX4 on C2C12 mouse myoblasts transfected with pCS2-DUX4. Cells were counterstained with DAPI for nuclei. Image from the standard format of this antibody.



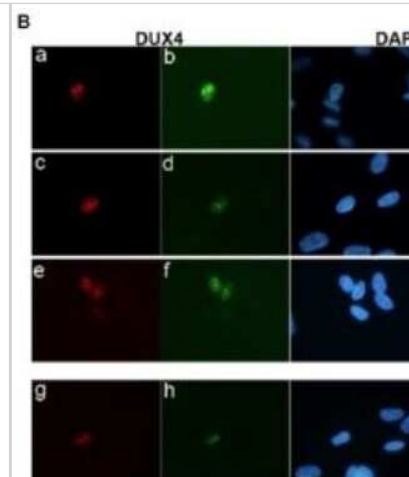
Immunohistochemistry: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Analysis of DUX4 on human testis Image from the standard format of this antibody.



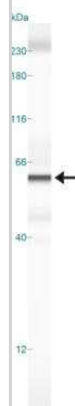
Western Blot: DUX4 Antibody (P4H2) - Azide and BSA Free [NBP2-80703] - Analysis of DUX4 expression in (1) human testis and (2) DUX4 protein lysates. Image from the standard format of this antibody.



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

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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