

Product Datasheet

NFIX Antibody NBP2-15038

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 4

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NBP2-15038

NFIX Antibody

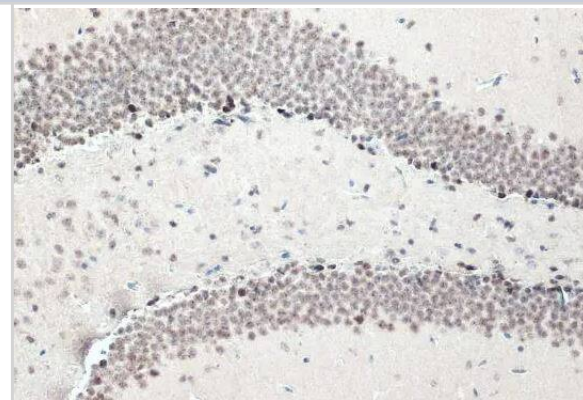
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS, 1% BSA, 20% Glycerol
Target Molecular Weight	55 kDa

Product Description	
Description	Novus Biologicals Rabbit NFIX Antibody (NBP2-15038) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-NFIX Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4784
Gene Symbol	NFIX
Species	Human, Mouse, Rat
Reactivity Notes	Xenopus laevis (85%).
Immunogen	Recombinant protein encompassing a sequence within the center region of human NFIX. The exact sequence is proprietary.

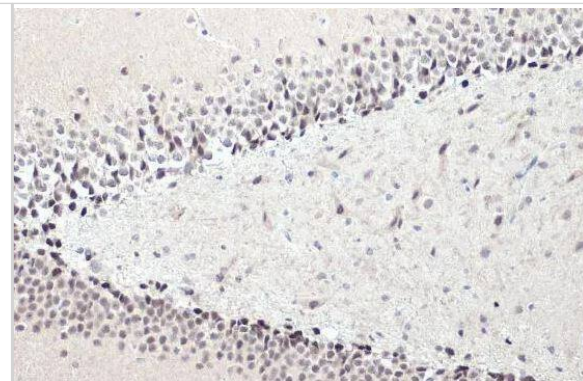
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500-1:3000, Immunohistochemistry, Immunocytochemistry/Immunofluorescence Assay dependent, Immunohistochemistry-Paraffin 1:100-1:1000

Images

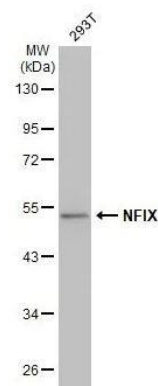
Immunohistochemistry-Paraffin: NFIX Antibody [NBP2-15038] - Mouse hippocampus. NFIX stained by NFIX antibody [N2C2], Internal diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



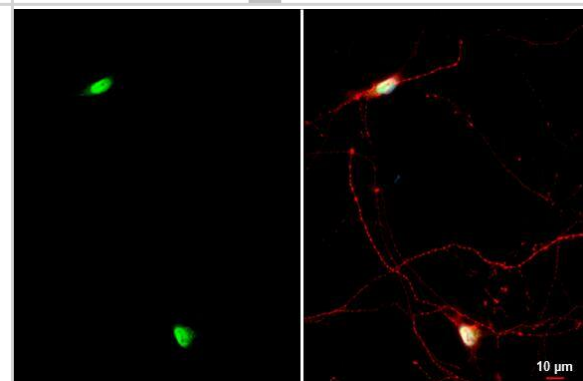
Immunohistochemistry-Paraffin: NFIX Antibody [NBP2-15038] - Rat hippocampus. NFIX stained by NFIX antibody [N2C2], Internal diluted at 1:2000. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



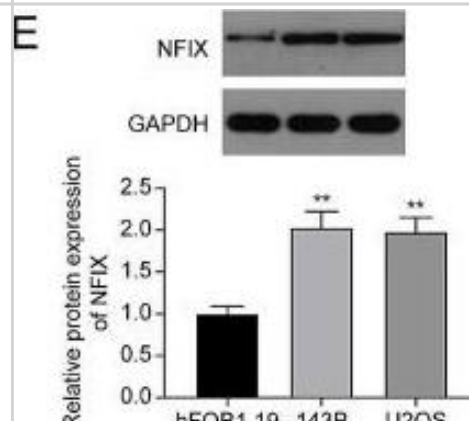
Western Blot: NFIX Antibody [NBP2-15038] -Whole cell extract (30 ug) was separated by 10% SDS-PAGE, and the membrane was blotted with NFIX antibody [N2C2], Internal diluted at 1:10000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody



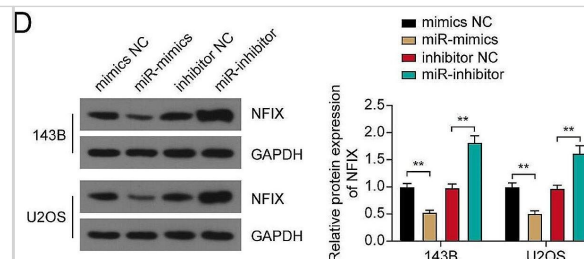
NFIX antibody [N2C2], Internal detects NFIX protein by immunofluorescent analysis. Sample: DIV9 rat hippocampal neuron cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: NFIX stained by NFIX antibody [N2C2], Internal (NBP2-15038) diluted at 1:500. Red: Tau, an axon marker, stained by Tau antibody [GT287] diluted at 1:500. Blue: Fluoroshield with DAPI .



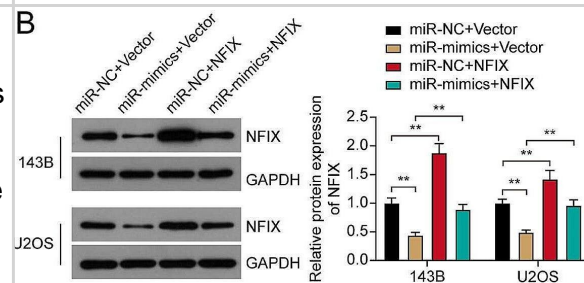
miR-744-5p directly targets NFIX. (A) TargetScan, DIANA-Tarbase, and starBase algorithms were applied to identify potential downstream targets of miR-744-5p. (B) NFIX mRNA expression in OS cells transfected with miR-744-5p mimics. (C) Wild type and mutant binding sequences of miR-744-5p on NFIX. The direct binding was verified by dual-luciferase reporter assay. (D) NFIX protein expression in OS cells transfected with miR-744-5p mimics and miR-744-5p inhibitor. (E) NFIX protein expression in OS cells. ** P < 0.01 Image collected and cropped by CiteAb from the following open publication (<https://jor-online.biomedcentral.com/articles/10.1186/s13018-024-04947-x>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



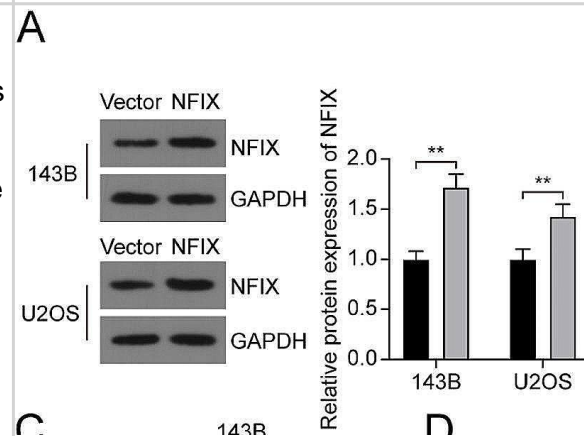
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NFIX neutralized the effects of miR-744-5p on osteosarcoma cells. (A) Protein expression of NFIX in OS cells transfected with NFIX overexpression vector. (B) Protein expression of NFIX in different groups of OS cells. (C) OS cell viability was assessed by CCK-8 assay. (D) Cell proliferation was visualized by colony formation assay. (E) Flow cytometry assay was performed to determine cell apoptosis rate. (F) The viability of HUVECs was assessed by CCK-8 assay. (G) The effects of miR-744-5p and NFIX on the tube formation of HUVECs were detected by tube formation assay. *P < 0.05; ** P < 0.01 Image collected and cropped by CiteAb from the following open publication (<https://jor-online.biomedcentral.com/articles/10.1186/s13018-024-04947-x>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



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Publications

Saclier M, Angelini G, Bonfanti C et al. Selective ablation of Nfix in macrophages attenuates muscular dystrophy by inhibiting fibro-adipogenic progenitor-dependent fibrosis The Journal of pathology 2022-03-17 [PMID: 35297529] (Immunohistochemistry, Mouse)

Martins SG, Ribeiro V, Melo C et al. Laminin- α 2 chain deficiency in skeletal muscle causes dysregulation of multiple cellular mechanisms Life Science Alliance 2024-10-08 [PMID: 39379105]

Giuseppe Angelini, Emanuele Capra, Francesca Rossi, Giada Mura, Marielle Saclier, Valentina Taglietti, Gabriele Rovetta, Raffaele Epis, Giorgia Careccia, Chiara Bonfanti, Graziella Messina MEK-inhibitors decrease Nfix in muscular dystrophy but induce unexpected calcifications, partially rescued with Cyanidin diet iScience 2023-12-10 [PMID: 38205246]

Piper M, Gronostajski R, Messina G. Nuclear Factor One X in Development and Disease. Trends Cell Biol. 2018-10-01 [PMID: 30287093] (IF/IHC, Mouse)



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Products Related to NBP2-15038

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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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