

# Product Datasheet

## NFIX Antibody - BSA Free NBP2-15039

Unit Size: 0.1 ml

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

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### Publications: 9

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**NBP2-15039**

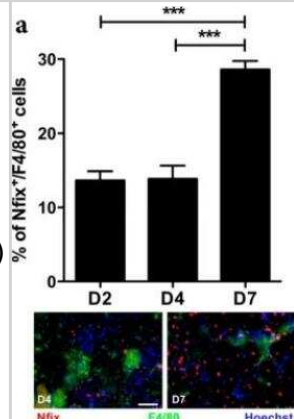
NFIX Antibody - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS, 20% Glycerol
<b>Target Molecular Weight</b>	55 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	4784
<b>Gene Symbol</b>	NFIX
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Xenopus laevis (90%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the center region of human NFIX. The exact sequence is proprietary.
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Chromatin Immunoprecipitation (ChIP)
<b>Recommended Dilutions</b>	Western Blot Reported in scientific literature (PMID: 30266829)., Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID: 30266829)., Immunohistochemistry-Paraffin 1:100-1:1000, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID: 30266829).

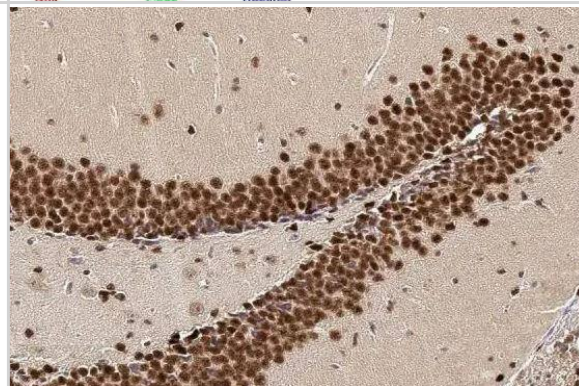


## Images

Immunocytochemistry/Immunofluorescence: NFIX Antibody [NBP2-15039] - Nfix is mainly expressed by anti-inflammatory MPs. Percentage of F4/80+ MPs positive for Nfix in Tibialis Anterior muscles (TA) of WT mice injected by CTX at D2, D4 and D7, post-injury. Immunostaining for F4/80 (green), Nfix (red) and DAPI (blue) at D4 and D7 after CTX injection. Results are means  $\pm$  SEM of at least three independent experiments. Scale bar = 50  $\mu$ m. Image collected and cropped by CiteAb from the following publication (<https://www.mdpi.com/2073-4409/9/3/708>) licensed under a CC-BY license.



Immunohistochemistry-Paraffin: NFIX Antibody [NBP2-15039] - Mouse hippocampus. NFIX stained by NFIX antibody [N3C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



Immunohistochemistry-Paraffin: NFIX Antibody [NBP2-15039] - Mouse hippocampus. NFIX stained by NFIX antibody [N3C3] diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



## Publications

Ishikawa A, Fukui T, Kido A et al. Discovering cancer stem-like molecule, nuclear factor I X, using spatial transcriptome in gastric cancer *Cancer Science* 2024-07-17 [PMID: 39021298]

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

Saclier M, Lapi M, Bonfanti C et al. The Transcription Factor Nfix Requires RhoA-ROCK1 Dependent Phagocytosis to Mediate Macrophage Skewing during Skeletal Muscle Regeneration *Cells* 2020-03-13 [PMID: 32183151]

Ge R, Wang C, Liu J et al. A Novel Tumor-Promoting Role for Nuclear Factor IX in Glioblastoma Is Mediated through Transcriptional Activation of GINS1 *Molecular Cancer Research* 2022-12-28 [PMID: 36469009]

Ribeiro VFL How Lama2-deficiency impacts myoblast differentiation in a mouse model for LAMA2-congenital muscular dystrophy *Thesis* 2022-01-01 (ICC/IF, Mouse, Human)

Liu Z, Ge R, Zhou J et al. Nuclear factor IX promotes glioblastoma development through transcriptional activation of Ezrin *Oncogenesis* 2020-04-14 [PMID: 32291386] (Chemotaxis, Mouse)

Zhou F, Yuan Q, Zhang W et al. MiR-663a Stimulates Proliferation and Suppresses Early Apoptosis of Human Spermatogonial Stem Cells by Targeting NFIX and Regulating Cell Cycle. *Molecular Therapy - Nucleic Acids* 2018-09-01 [PMID: 30195770]

Taglietti V, Angelini G, Mura G et al. RhoA and ERK signalling regulate the expression of the myogenic transcription factor Nfix. *Development* 2018-09-28 [PMID: 30266829] (Chemotaxis, ICC/IF, WB, Mouse)

Taglietti V, Maroli G, Cermenati S et al. Nfix Induces a Switch in Sox6 Transcriptional Activity to Regulate MyHC-I Expression in Fetal Muscle. *Cell Rep.* 2016-11-22 [PMID: 27880909] (IF/IHC, Mouse)





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### Products Related to NBP2-15039

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-58904PEP	NFIX Recombinant Protein Antigen

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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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