

Product Datasheet

NFIB Antibody - BSA Free NBP1-81000

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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NBP1-81000

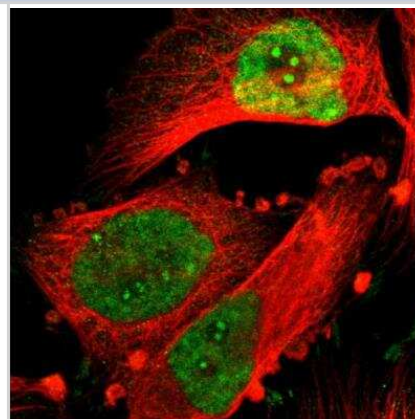
NFIB Antibody - BSA Free

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	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	4781
Gene Symbol	NFIB
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 24553933).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: VKSGVFNVSELVRVSRTPITQGTGVNFIPIGEIPSQPYHDMNSGVNLQRSLSSP PSSKRPKTISIDENMEPSPTGDFYPSPSSPAAGSRTWHERDQDMSSPTTMKKP EKPLFSSASPQDSSPRLSTFPQHHPGIPGVAHSVISTRTP
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry Reported in scientific literature (PMID: 26021864), Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Chromatin Immunoprecipitation (ChIP) Reported in scientific literature (PMID: 24801505)
Application Notes	ICC/IF Fixation Permeabilization: PFA/Triton X-100

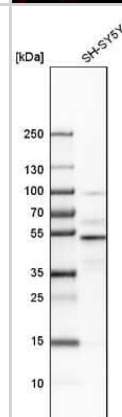


Images

Immunocytochemistry/Immunofluorescence: NFIB Antibody [NBP1-81000] - Staining of human cell line U-251 MG shows localization to nucleoplasm & nucleoli fibrillar center. Antibody staining is shown in green.



Western Blot: NFIB Antibody [NBP1-81000] - Analysis in human cell line SH-SY5Y.



Publications

Hayashi M, Hinckley CA, Driscoll SP, Moore NJ. Graded Arrays of Spinal and Supraspinal V2a Interneuron Subtypes Underlie Forelimb and Hindlimb Motor Control. *Neuron*. 2018-02-21 [PMID: 29398364]

ES Liao, S Jin, YC Chen, WS Liu, M Calon, S Nedelec, Q Nie, JA Chen Single-cell transcriptomic analysis reveals diversity within mammalian spinal motor neurons *Oncogene*, 2023-01-03;14(1):46. 2023-01-03 [PMID: 36596814]

Gokey J, Snowball J, Sridharan A Et al. YAP regulates alveolar epithelial cell differentiation and AGER via NFIB/KLF5/NKX2-1 *iScience* 2021-09-01 [PMID: 34466790]

Nagel S, Pommerenke C, Meyer C et al. Establishment of the TALE-code reveals aberrantly activated homeobox gene PBX1 in Hodgkin lymphoma *PloS one* 2021-02-04 [PMID: 33539429] (WB, Human)

Bunt J, Lim JW, Zhao L et al. PAX6 does not regulate Nfia and Nfib expression during neocortical development. *Sci Rep* 2015-05-29 [PMID: 26021864] (IF/IHC, Mouse)

Tsai PC, Bake S, Balaraman S et al. MiR-153 targets the nuclear factor-1 family and protects against teratogenic effects of ethanol exposure in fetal neural stem cells. *Biol Open* 2014-07-25 [PMID: 25063196] (ICC/IF, Mouse)

Grabowska MM, Elliott AD, DeGraff DJ et al. NFI Transcription Factors Interact with FOXA1 to Regulate Prostate-Specific Gene Expression. *Mol Endocrinol* 2014-06-01 [PMID: 24801505] (Chemotaxis, Human)

Piper M, Barry G, Harvey TJ et al. NFIB-Mediated Repression of the Epigenetic Factor Ezh2 Regulates Cortical Development. *J Neurosci* 2014-02-19 [PMID: 24553933] (IF/IHC, Mouse)



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Products Related to NBP1-81000

NBP1-81000PEP	NFIB Recombinant Protein Antigen
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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