

Product Datasheet

NFkB2/NFkB p100 Antibody - BSA Free NBP1-87760

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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NBP1-87760

NFkB2/NFkB p100 Antibody - BSA Free

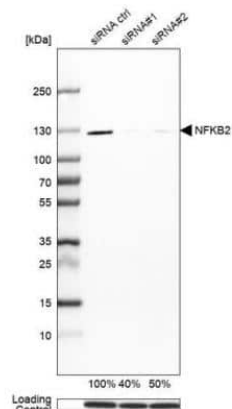
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit NFkB2/NFkB p100 Antibody - BSA Free (NBP1-87760) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and Simple Western. Anti-NFkB2/NFkB p100 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	4791
Gene Symbol	NFKB2
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LLNAAQNTMEPPLTPPSPAGPGLSLGDTALQNLEQLLDGPEAQGSWAELAERL GLRSLVDTYRQTTSPSGSLLRSYELAGGDLAGLLEALSMDMGLEEGVRLLRGPE TRDKLPSTEVKEDSAYGSQSVEQEA

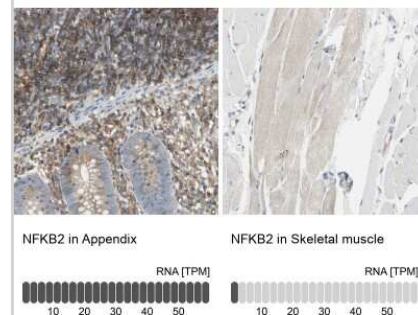
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Simple Western 1:30, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100. 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: Tested in RT4, separated by Size, antibody dilution of 1:30, apparent MW was 134 kDa. Separated by Size-Wes, Sally Sue/Peggy Sue.

Images

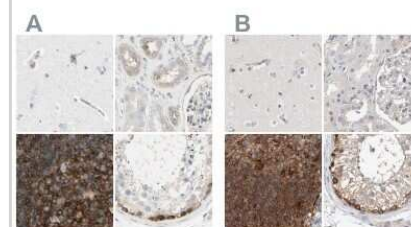
Western Blot: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Western blot analysis in A-431 cells transfected with control siRNA, target specific siRNA probe #1 and #2. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



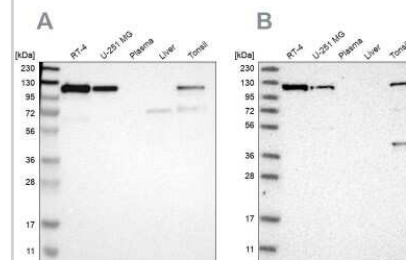
Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining in human appendix and skeletal muscle tissues using anti-NFkB2 antibody. Corresponding NFkB2 RNA-seq data are presented for the same tissues.



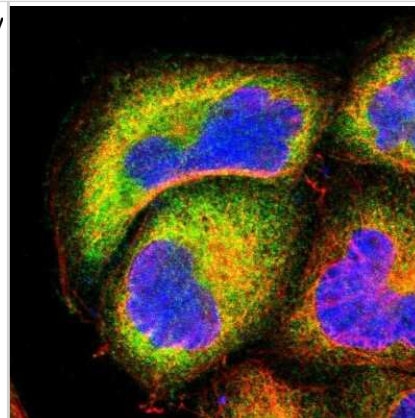
Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human cerebral cortex, kidney, lymph node and testis using Anti-NFkB2 antibody NBP1-87760 (A) shows similar protein distribution across tissues to independent antibody NBP1-87759 (B).



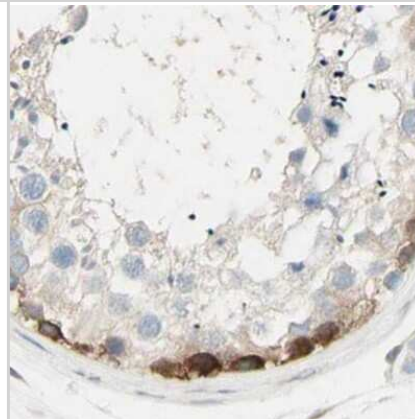
Western Blot: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Analysis using Anti-NFkB2 antibody NBP1-87760 (A) shows similar pattern to independent antibody NBP1-87759 (B).



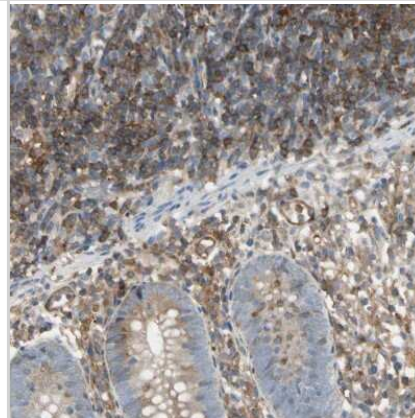
Immunocytochemistry/Immunofluorescence: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human cell line A-431 shows localization to cytosol. Antibody staining is shown in green.



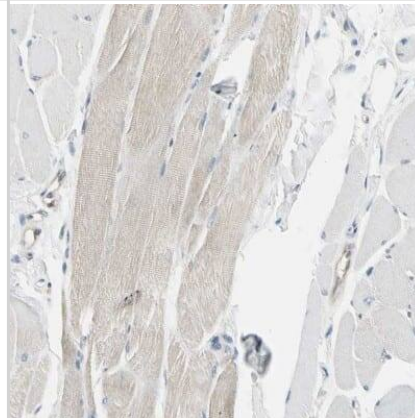
Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human testis.



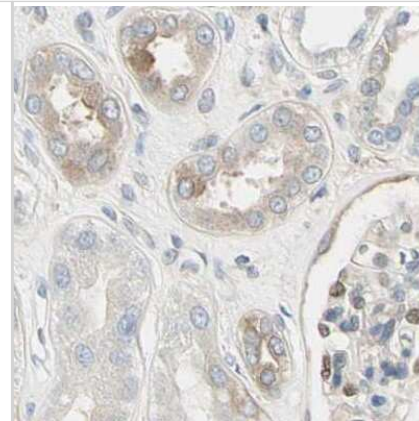
Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human appendix shows high expression.



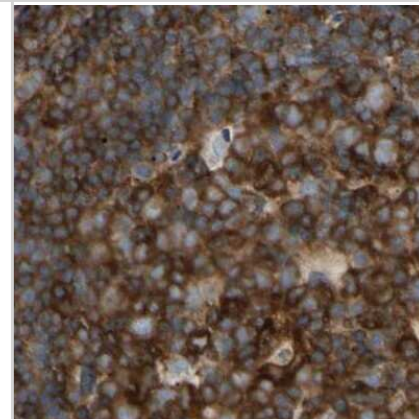
Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human skeletal muscle shows low expression as expected.



Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human kidney.



Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human lymph node.



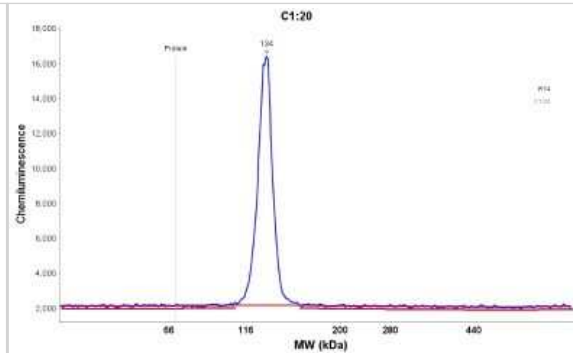
Immunohistochemistry-Paraffin: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Staining of human cerebral cortex.



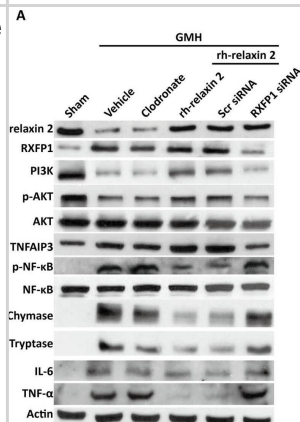
Simple Western: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Simple Western lane view shows a specific band for NFkB2 in 0.2 mg/ml of RT4 lysate. This experiment was performed under reducing conditions using the 66-440 kDa separation system.



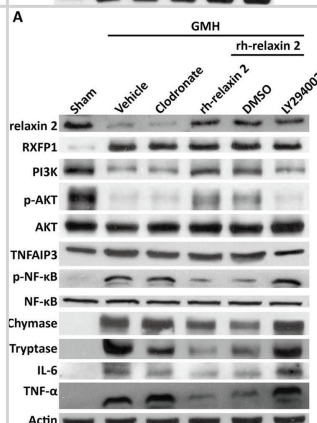
Simple Western: NFkB2/NFkB p100 Antibody [NBP1-87760] - NFkB p100/p52 Antibody [NBP1-87760] - Electropherogram image(s) of corresponding Simple Western lane view. NFkB p100/p52 antibody was used at 1:30 dilution on RT4 lysate(s).



Knockdown of RXFP1 (a, c, l) by specific siRNA significantly inhibited the expression of PI3K (a, d), phosphorylated Akt (a, e), and TNFAIP3 (a, f) on the first day after intracerebroventricular injections. However, the expression of phosphorylated NF- κ B (a, g) and inflammatory factors chymase (a, h), tryptase (a, i), IL-6 (a, j), and TNF- α (a, k) increased on the first day after GMH. *P < 0.05, Sham vs. RXFP1 SiRNA, #P < 0.05, GMH + vehicle vs. rh-relaxin-2, \$P < 0.05, Scr SiRNA vs. RXFP1 SiRNA, one-way ANOVA, Tukey's test, n = 6 Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32859236>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



LY294002 significantly decreased PI3K (a, d, l), phosphorylated Akt (a, e), and TNFAIP3 (a, f) expression, which was accompanied by the increase of phosphorylated NF- κ B (a, g), chymase (a, h), tryptase (a, i), IL-6 (a, j), and TNF- α (a, k) on the first day after GMH. *P < 0.05, Sham vs. LY294002; #P > 0.05, GMH + vehicle vs. LY294002; \$P < 0.05, DMSO vs. LY294002, one-way ANOVA, Tukey's test, n = 6 Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/32859236>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Xu W, Mo J, Ocak U et al. Activation of Melanocortin 1 Receptor Attenuates Early Brain Injury in a Rat Model of Subarachnoid Hemorrhage via the Suppression of Neuroinflammation through AMPK/TBK1/NF- κ B Pathway in Rats Neurotherapeutics 2020-01-01 [PMID: 31486022] (Western Blot)



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Products Related to NBP1-87760

NBP1-87760PEP	NFkB2/NFkB p100 Recombinant Protein Antigen
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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