

# Product Datasheet

## NFkB p105/p50 Antibody - BSA Free NBP1-87758

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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### Publications: 2

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**NBP1-87758**

NFkB p105/p50 Antibody - BSA Free

Product Information	
<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>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

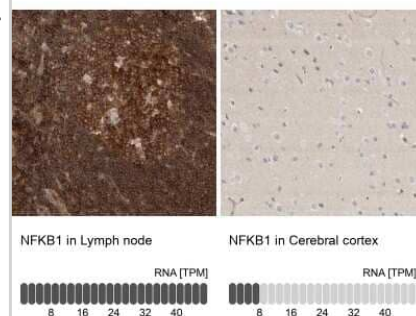
Product Description	
<b>Description</b>	Novus Biologicals Rabbit NFkB p105/p50 Antibody - BSA Free (NBP1-87758) is a polyclonal antibody validated for use in IHC, WB, ELISA and ICC/IF. Anti-NFkB p105/p50 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	4790
<b>Gene Symbol</b>	NFKB1
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: GTGSTGPGYSFPHYGFPTYGGITFHPGTTKSNAGMKHGTMDTESKKDPEGCD KSDDKNTVNLFGKVIETTEQDQEPSEATVGNGEVTLTYATGTKEESAGVQDNL FLEKAMQLAKRHANALFDYAVTGDVKMLLAVQRHLTAV

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq, Knockdown Validated
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500, Knockdown Validated, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

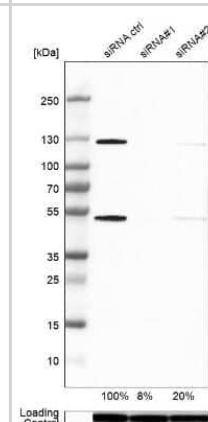


## Images

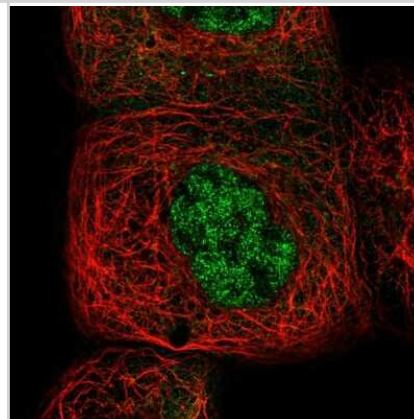
**Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody [NBP1-87758]**  
 - Staining in human lymph node and cerebral cortex tissues using NBP1-87758 antibody. Corresponding NFKB1 RNA-seq data are presented for the same tissues.



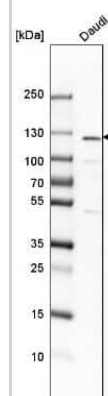
**Western Blot: NFkB p105/p50 Antibody [NBP1-87758]** - Analysis in SK-BR-3 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-NFKB1 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



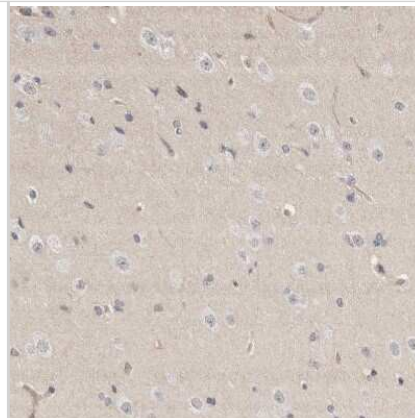
**Immunocytochemistry/Immunofluorescence: NFkB p105/p50 Antibody [NBP1-87758]** - Staining of human cell line A-431 shows localization to nucleoplasm & cytosol. Antibody staining is shown in green.



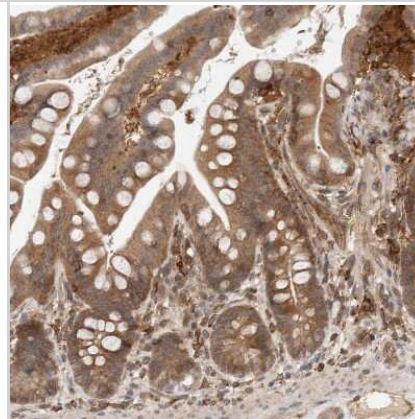
**Western Blot: NFkB p105/p50 Antibody [NBP1-87758]** - Analysis in human cell line Daudi.



Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody [NBP1-87758]  
- Staining of human cerebral cortex shows no positivity in neurons as expected.



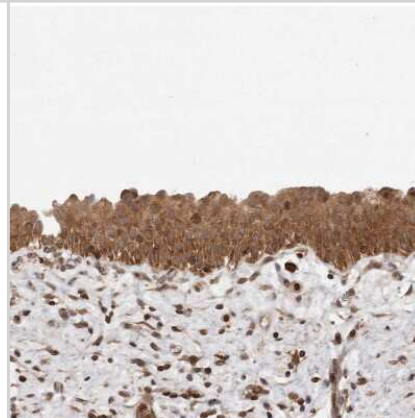
Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody [NBP1-87758]  
- Staining of human colon shows moderate cytoplasmic positivity in glandular and lymphoid cells.



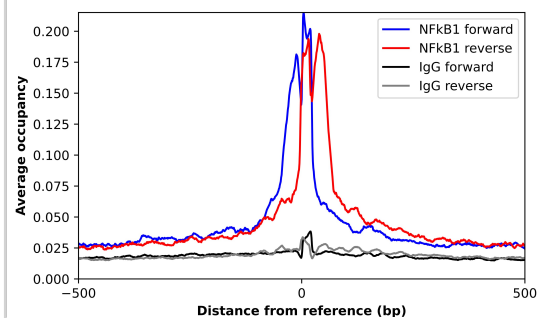
Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody [NBP1-87758]  
- Staining of human lymph node shows strong cytoplasmic positivity in germinal- and non-germinal center cells.



Immunohistochemistry-Paraffin: NFkB p105/p50 Antibody [NBP1-87758]  
- Staining of human urinary bladder shows strong cytoplasmic positivity in urothelial cells.



ChIP-Exo-Seq composite graph for Anti-NFKB1 (NBP1-87758) tested in K562 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



## Publications

Marwarha G, Slagsvold KH, Høydal MA NF- $\kappa$ B Transcriptional Activity Indispensably Mediates Hypoxia-Reoxygenation Stress-Induced microRNA-210 Expression International journal of molecular sciences 2023-04-01 [PMID: 37047592] (ELISA)

Sikorski K, Mehta A et al. A high-throughput pipeline for validation of antibodies. Nat Methods 2018-01-11 [PMID: 30377371] (Human)

### Details:

Antibody validation based on denaturing gel electrophoresis of biotinylated cell lysates (PAGE) followed by mass spectrometry (MS) and antibody array analysis (MAP).



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### **Products Related to NBP1-87758**

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NBP1-87758PEP	NFkB p105/p50 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

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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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