

# Product Datasheet

## RelA/NFkB p65 Antibody (112A1021) - Azide and BSA Free NBP2-27416

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP2-27416**

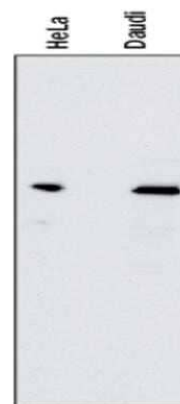
RelA/NFkB p65 Antibody (112A1021) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	112A1021
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Sterile - filtered PBS
Product Description	
Description	Novus Biologicals Mouse RelA/NFkB p65 Antibody (112A1021) - Azide and BSA Free (NB100-56712) is a monoclonal antibody validated for use in IHC, WB, Flow and Simple Western. Anti-RelA/NFkB p65 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	5970
Gene Symbol	RELA
Species	Human, Mouse, Rat
Reactivity Notes	Predicted to react with Bovine, Gorilla, New World Monkey and Porcine.
Immunogen	This Nfkb p65 antibody was raised against a synthetic peptide corresponding to amino acids 526-539 of human NF-kB (p65) protein.
Product Application Details	
Applications	Western Blot, Simple Western, Immunohistochemistry-Paraffin, Flow Cytometry, Flow (Intracellular), Immunohistochemistry, CyTOF-ready
Recommended Dilutions	Western Blot 2-5ug/ml~. Use reported in scientific literature (Wittmann et al (2005)), Simple Western, Flow Cytometry 1ul/1 million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 5ug/ml. Use reported in scientific literature (Chang et al (2005)), Flow (Intracellular) reported in scientific literature (PMID 15955098), CyTOF-ready
Application Notes	In Simple Western only 10-15 uL of the recommended dilution is used per data point.

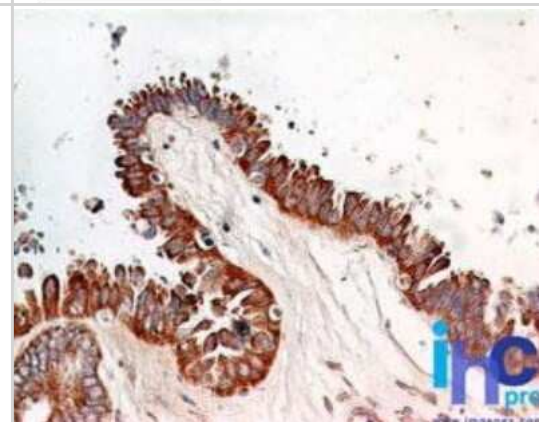


## Images

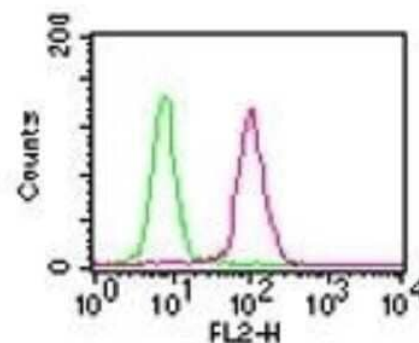
**Western Blot: RelA/NFkB p65 Antibody (112A1021) - Azide Free [NBP2-27416]** - Lysates of HeLa human cervical epithelial carcinoma cell line and Daudi human Burkitt's lymphoma cell line. PVDF membrane was probed with 1 ug/mL mouse anti-RelA/NFkB p65 monoclonal (NB100-56712, Novus Biologicals), followed by 1:2000 dilution of the appropriate HRP-conjugated secondary antibody, donkey anti-mouse IgG (HAF018). Image using the standard format of this product.



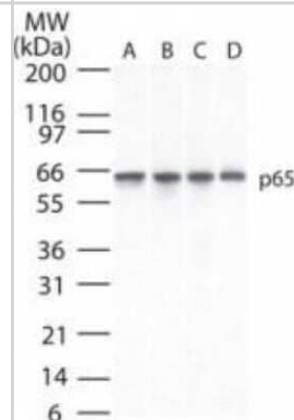
**Immunohistochemistry-Paraffin: RelA/NFkB p65 Antibody (112A1021) - Azide Free [NBP2-27416]** - Formalin-fixed, paraffin-embedded ovarian cystadenocarcinoma probed with p65 antibody at 5 ug/ml. Human tissue TMA was used for this test. Staining of formalin-fixed tissues is enhanced by boiling tissue sections in 10 mM sodium citrate buffer, pH 6.0 for 10-20 min followed by cooling at RT for 20 min.



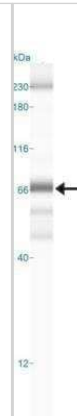
**Flow Cytometry: RelA/NFkB p65 Antibody (112A1021) - Azide Free [NBP2-27416]** - Intracellular staining of 293 HEK cells using 0.5 ug of p65 antibody. Green histogram represents the isotype control (p65) antibody. this antibody was used for this test, and an anti-mouse IgG PE conjugated secondary antibody.



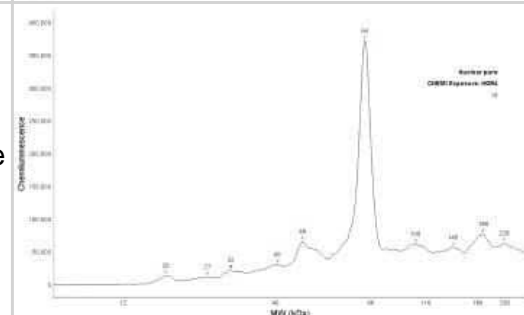
**Western Blot: RelA/NFkB p65 Antibody (112A1021) - Azide Free [NBP2-27416]** - analysis of p65 using p65 antibody at 2 ug/ml in 30 ug of A) Ramos, B) Daudi, C) HeLa and D) mouse NIH 3T3 cell lysate.



Simple Western: RelA/NFkB p65 Antibody (112A1021) - Azide Free [NBP2-27416] - Simple Western lane view shows a specific band for NFkB p65 in 1.0 mg/ml of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system.



Simple Western: RelA/NFkB p65 Antibody (112A1021) - Azide Free [NBP2-27416] - Detection of p65 by Simple Western (JESS) in chemiluminescence in nuclear extract of reconstructed human epidermis lysate (about 600 ug/mL protein concentration). Antibody at 1:20. Simple Western image submitted by a verified customer review. Image using the standard format of this product.



## Publications

Wittmann M, Purwar R, Hartmann C et al. Human keratinocytes respond to interleukin-18: implication for the course of chronic inflammatory skin diseases. *J Invest Dermatol.* 2005-06-01 [PMID: 15955098] (Flow Cytometry Control, Human)

### Details:

Flow (Intracellular), Fig 3 (Intact nuclei isolated from normal human keratinocytes: analysis of NF-kB translocation to the nucleus).

Santhi WS, Sebastian P, Varghese BT et al. NF-kappaB and COX-2 during oral tumorigenesis and in assessment of minimal residual disease in surgical margins. *Exp Mol Pathol.* 2006-10-01 [PMID: 16822500] (IHC-P, Human)

### Details:

Products used (human): 1. IkbA [IMG-127A]: IHC paraffin (normal oral mucosa, leukoplakia, and oral cancer), Fig. 1 IHC paraffin analysis (normal oral mucosa, leukoplakia, and oral cancer), Fig. 2 IHC paraffin (oral cancer: primary tumor, surgical margin,

Chang MS, Lee HS, Jung EJ et al. Cell-cycle regulators, bcl-2 and NF-kappaB in Epstein-Barr virus-positive gastric carcinomas. *Int J Oncol.* 2005-11-01 [PMID: 16211221] (IHC-P, Human)

### Details:

NF-kB (p65), IMG-150A: IHC (paraffin), Fig 2F (human gastric carcinoma).

Lee TL, Yeh J, Friedman J et al. A signal network involving coactivated NF-kappaB and STAT3 and altered p53 modulates BAX/BCL-XL expression and promotes cell survival of head and neck squamous cell carcinomas. *Int J Cancer.* 2008-05-01 [PMID: 18172861]

### Details:

IMGEX products cited: 1. NF-kB p65 mAb-biotinylated, clone 112A1021 (IMG-150B): IP (UM-SCC human squamous carcinoma cell lines), Fig 2b. Immunoprecipitates were western blotted with the purified format of the p65 mAb clone 112A1021 (IMG-150A) or with a p



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

[www.novusbio.com](http://www.novusbio.com)  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP2-27416**

NBL1-13619	NFkB p105/p50 Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

### **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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