

# Product Datasheet

## RelA/NFkB p65 [p Ser536] Antibody NB100-82088

Unit Size: 0.05 ml

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

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### Publications: 10

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**NB100-82088**

RelA/NFκB p65 [p Ser536] Antibody

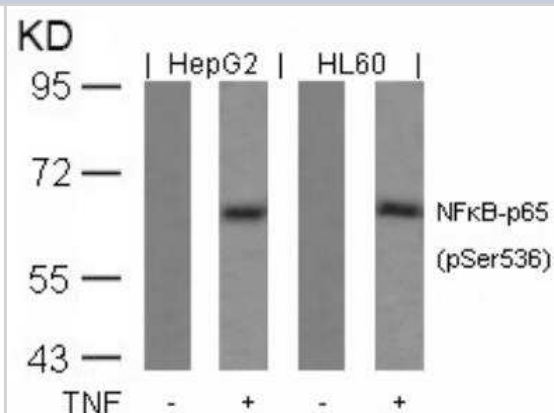
Product Information	
Unit Size	0.05 ml
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS, 50% glycerol, 0.5% BSA
Target Molecular Weight	60 kDa

Product Description	
Host	Rabbit
Gene ID	5970
Gene Symbol	RELA
Species	Human, Mouse, Rat, Fish, Monkey
Reactivity Notes	Use in Labeo bata reported in scitific publication PMID: 32800225
Specificity/Sensitivity	Detects endogenous levels of RelA/NFκB p65 only when phosphorylated at serine 536.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human RelA/NFκB p65 around the phosphorylation site of serine 536 (F-S-SP-I-A).

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry 1:100-1:300, Immunocytochemistry/ Immunofluorescence 1:50-200, Immunoprecipitation 2-5 ug/mg lysate, Immunohistochemistry-Paraffin 1:50-1:100

**Images**

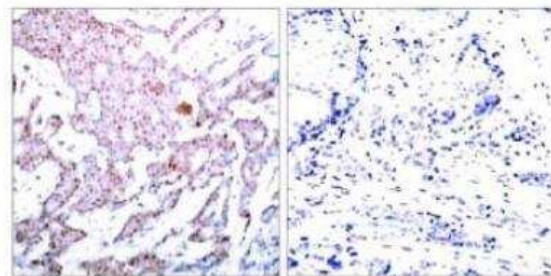
Western Blot: RelA/NFκB p65 [p Ser536] Antibody [NB100-82088] - HepG2 and HL60 cells untreated or treated with TNF using NFκB-p65 (Phospho-Ser536) Antibody.



Immunocytochemistry/Immunofluorescence: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Staining of methanol-fixed Hela cells



Immunohistochemistry-Paraffin: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Analysis of paraffin-embedded human breast carcinoma tissue using NB100-82088 (left) or the same antibody preincubated with blocking peptide (right)

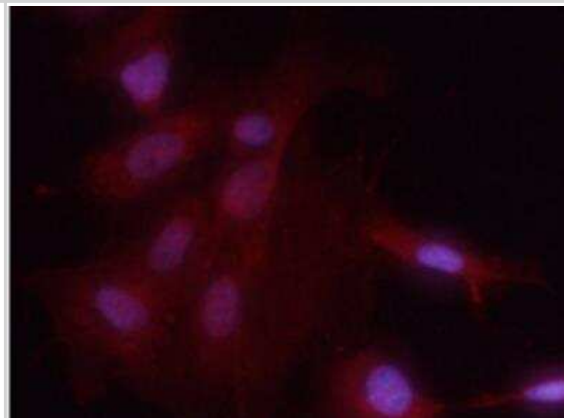


P-Peptide

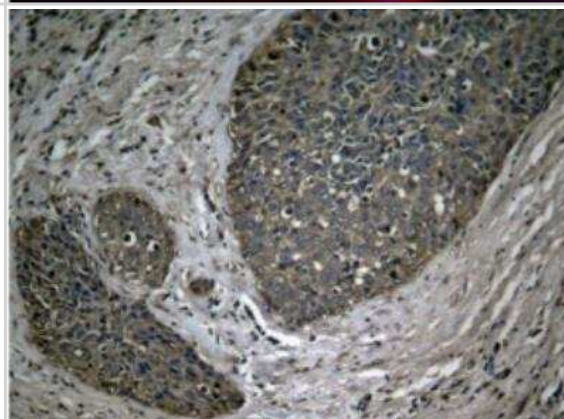
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Immunocytochemistry/Immunofluorescence: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Methanol-fixed MEF cells



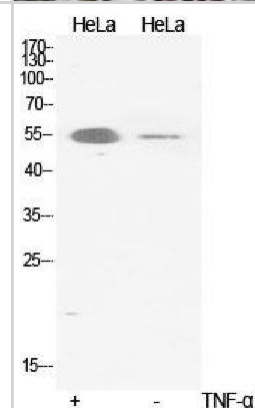
Immunohistochemistry-Paraffin: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Paraffin-embedded human breast carcinoma tissue.



Immunohistochemistry-Paraffin: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Paraffin-embedded human Lung carcinoma tissue



Western Blot: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Western Blot analysis of various cells using NB100-82088 diluted at 1:2000



## Publications

Ibrahim AG, Ciullo A, Li C et al. Engineered extracellular vesicles antagonize SARS-CoV-2 infection by inhibiting mTOR signaling *Biomaterials and biosystems* 2022-06-01 [PMID: 35187508] (ICC/IF)

Mou KJ, Shen KF, Li YL et al. Adenosine A2A Receptor in Bone Marrow-Derived Cells Mediated Macrophages M2 Polarization via PPAR gamma-P65 Pathway in Chronic Hypoperfusion Situation *Frontiers in aging neuroscience* 2022-01-03 [PMID: 35046793] (WB, Mouse)

Zhang Y, Zhang S, Li B et al. Age-Related Changes in the Gut Microbiota Promote Atrial Fibrillation *Research Square* 2020-08-04 (WB, Rat)

Mukherjee U, Samanta A, Biswas S et al. Bisphenol A-induced oxidative stress, hepatotoxicity and altered estrogen receptor expression in *Labeo bata*: impact on metabolic homeostasis and inflammatory response *Ecotoxicology and Environmental Safety* 2020-10-01 [PMID: 32800225] (WB, Fish)

Farrell KF Neuroinflammation and Circuitry Changes in the Dorsal Raphe Nucleus with Depressive Phenotype after Spinal Cord Injury Thesis 2019-04-01 (Mouse)

Shapovalova M Molecular Imaging of Prostate Cancer Using Biomarker-Guided Strategies Thesis 2019-01-01

Farrell K, Houle JD, et al. Systemic inhibition of soluble TNF with XPro1595 exacerbates a post-spinal cord injury depressive phenotype in female rats *J. Neurotrauma* 2019-05-08 [PMID: 31064292] (Mouse)

Halvarsson C, Rorby E, Eliasson P et al. Putative role of NF-kappa B but not HIF-1alpha in hypoxia-dependent regulation of oxidative stress in hematopoietic stem and progenitor cells *Antioxid. Redox Signal.* 2019-03-02 [PMID: 30827134] (WB, Mouse)

Pal S, Nath P, Biswas S et al. Nonylphenol attenuates SOCS3 expression and M1 polarization in lipopolysaccharide-treated rat splenic macrophages *Ecotoxicol. Environ. Saf.* 2019-06-15 [PMID: 30870658] (WB, Rat)

Chen Y, Wu Z, Yuan B et al. MicroRNA-146a-5p attenuates irradiation-induced and LPS-induced hepatic stellate cell activation and hepatocyte apoptosis through inhibition of TLR4 pathway. *Cell Death Dis.* 2018-01-18 [PMID: 29348414] (ICC/IF, Human)



### **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  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NB100-82088**

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NBL1-15276	RelA/NFkB p65 Overexpression Lysate
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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