

# 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.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 11

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**NB100-82088**

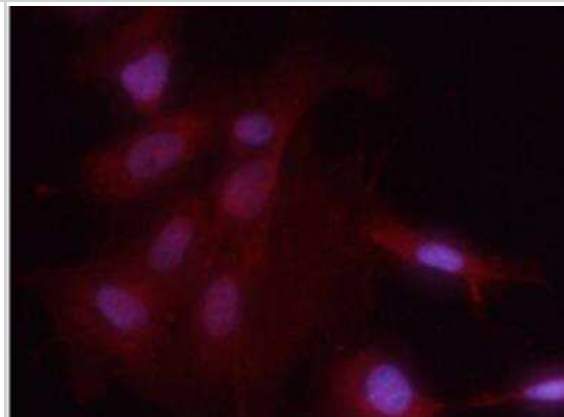
RelA/NFkB p65 [p Ser536] Antibody

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	
Description	Novus Biologicals Rabbit RelA/NFkB p65 [p Ser536] Antibody (NB100-82088) is a polyclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-RelA/NFkB p65 Antibody: Cited in 8 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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/NFkB p65 only when phosphorylated at serine 536.
Immunogen	The antiserum was produced against synthesized phosphopeptide derived from human RelA/NFkB p65 around the phosphorylation site of serine 536 (F-S-SP-I-A).
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, 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

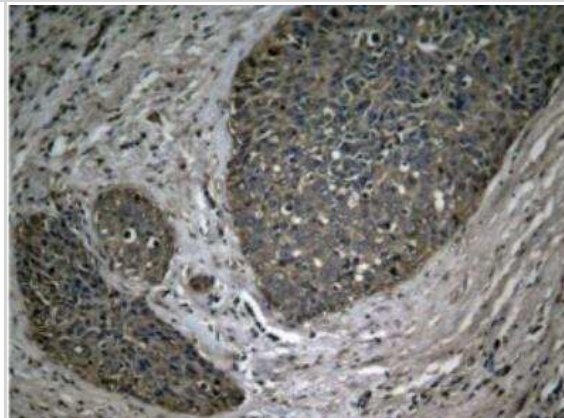


**Images**

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



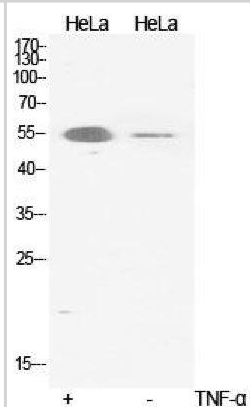
Immunohistochemistry-Paraffin: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Paraffin-embedded human breast carcinoma tissue.



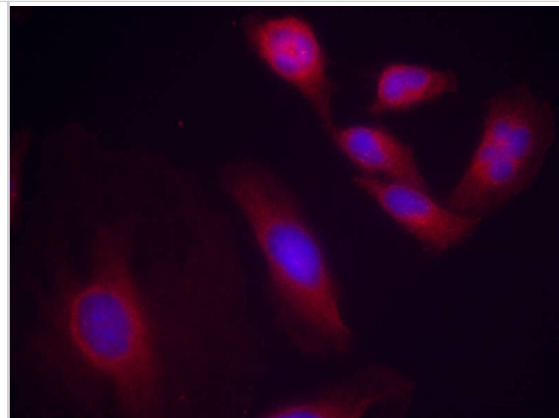
Immunohistochemistry-Paraffin: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Paraffin-embedded human Lung carcinoma tissue



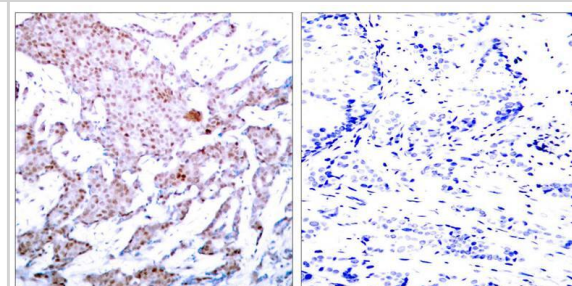
Western Blot: RelA/NFkB p65 [p Ser536] Antibody [NB100-82088] - Western Blot analysis of various cells using NB100-82088 diluted at 1:2000



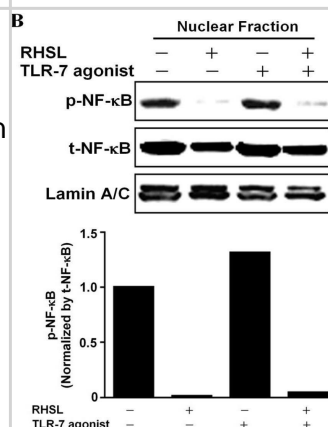
Immunocytochemistry/ Immunofluorescence: RelA/NFκB p65 [p Ser536] Antibody [NB100-82088] - Immunofluorescence staining of methanol-fixed Hela cells using NB100-82088.



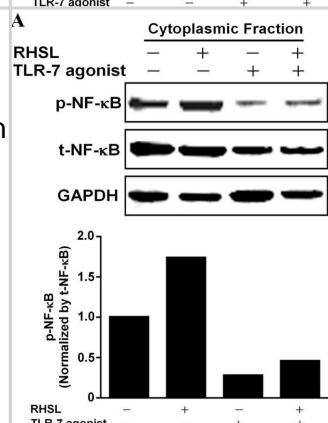
Immunohistochemistry-Paraffin: RelA/NFκB p65 [p Ser536] Antibody [NB100-82088] - Analysis of paraffin-embedded human breast carcinoma tissue using NB100-82088 incubated with blocking peptide (right)



Effects of RHSL on the translocation of phosphorylated NF-κB into the nucleus in TLR-7 agonist-stimulated RAW264.7 cells. Cells were treated with a concentration of 10 μg/mL TLR-7 agonist or 100 μg/mL RHSL, either alone or in combination, for 24 h. Nuclear-cytoplasmic fractionation analysis was performed to quantify the levels of phosphorylated NF-κB and total NF-κB in cytoplasmic (A) and nuclear (B) protein extracts, respectively. GAPDH and Lamin A/C were used as internal controls for cytoplasmic and nuclear fractions, respectively. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39337618>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Effects of RHSL on the translocation of phosphorylated NF-κB into the nucleus in TLR-7 agonist-stimulated RAW264.7 cells. Cells were treated with a concentration of 10 μg/mL TLR-7 agonist or 100 μg/mL RHSL, either alone or in combination, for 24 h. Nuclear-cytoplasmic fractionation analysis was performed to quantify the levels of phosphorylated NF-κB and total NF-κB in cytoplasmic (A) and nuclear (B) protein extracts, respectively. GAPDH and Lamin A/C were used as internal controls for cytoplasmic and nuclear fractions, respectively. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39337618>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Omer AAM, Kumar S, Söderquist B et Al. PLNC8 ?? Potently Inhibits the Flavivirus Kunjin and Modulates Inflammatory and Intracellular Signaling Responses of Alveolar Epithelial Cells Viruses 2024-11-13 [PMID: 39599884]

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)





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### Products Related to NB100-82088

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NBL1-15276	RelA/NFkB p65 Overexpression Lysate
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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