

# Product Datasheet

## Phosphoserine Antibody - BSA Free NB100-1953

Unit Size: 0.4 ml

Store at -20C. Avoid freeze-thaw cycles.

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



[technical@novusbio.com](mailto:technical@novusbio.com)

**Reviews: 1 Publications: 6**

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB100-1953](http://www.novusbio.com/NB100-1953)

Updated 2/21/2025 v.20.1

**Earn rewards for product  
reviews and publications.**

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NB100-1953](http://www.novusbio.com/reviews/destination/NB100-1953)



**NB100-1953**

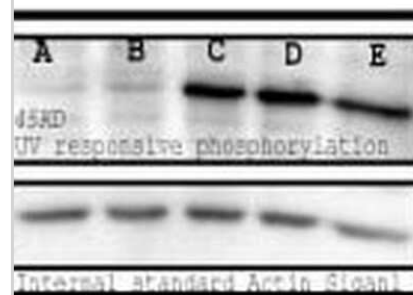
Phosphoserine Antibody - BSA Free

Product Information	
Unit Size	0.4 ml
Concentration	0.25 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01 mg Sodium Azide
Isotype	IgG
Purity	Peptide affinity purified
Buffer	PBS, 50% Glycerol
Product Description	
Host	Rabbit
Species	Non-species specific
Specificity/Sensitivity	Recognizes proteins phosphorylated on serine residues. Does not cross-react with phosphotyrosine.
Immunogen	Phosphoserine conjugated to KLH, and phosvitin mixture
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500, ELISA 1:250, Immunohistochemistry 1:10 - 1:500, Immunocytochemistry/ Immunofluorescence 1:50, Immunoprecipitation 1:100, Immunohistochemistry-Paraffin 1:10 - 1:500
Application Notes	Phosphoserine antibody validated for WB from a verified customer review.

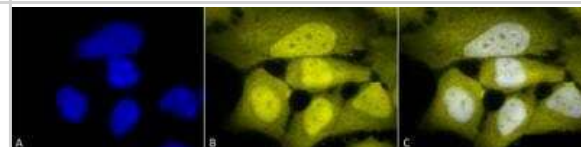


## Images

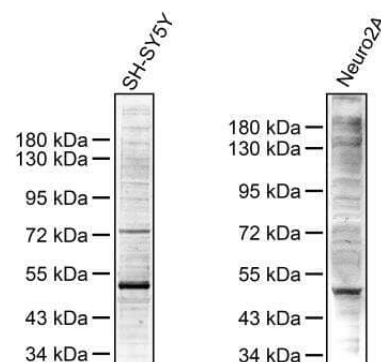
Western Blot: Phosphoserine Antibody [NB100-1953] - Western blot analysis of Mouse Spleen lysates showing detection of Phosphoserineprotein using Rabbit Anti-PhosphoserinePolyclonal Antibody (NB100-1953). Primary Antibody: Rabbit Anti-PhosphoserinePolyclonal Antibody (NB100-1953) at 1:1000. Bands are responsive to treatment with varying long UV wavelengths: A(0), B(50), C(200), D(400), and E (treated with 0.1uM okadaic acid).



Immunocytochemistry/Immunofluorescence: Phosphoserine Antibody [NB100-1953] - Tissue: HeLa Cells. Species: Human. Fixation: 2% Formaldehyde for 20 min at RT. Primary Antibody: Rabbit Anti-Phosphoserine Polyclonal Antibody at 1:50 for 12 hours at 4 degrees C. Secondary Antibody: R-PE Goat Anti-Rabbit (yellow) at 1:200 for 2 hours at RT. Counterstain: DAPI (blue) nuclear stain at 1:40000 for 2 hours at RT. Localization: Cytoplasm. Nucleus. Magnification: 100x.



Western Blot: Phosphoserine Antibody [NB100-1953] - ~30 ug SY5Y or N2A whole cell lysate separated on 8% PAGE, blotted and probed with phosphoserine antibody (1:125 in 3% BSA in TBST). Western blot image submitted by a verified customer review.



## Publications

Rao Y, Qin C, Savas AC, Liu Q et Al. Pyrimidine synthesis enzyme CTP synthetase 1 suppresses antiviral interferon induction by deamidating IRF3 Immunity 2024-12-25 [PMID: 39719712]

Caratti G, Desgeorges T, Juban G et al. Macrophagic AMPK alpha 1 orchestrates regenerative inflammation induced by glucocorticoids EMBO reports 2022-12-15 [PMID: 36520372] (IP, Mouse)

Alavi MV Tau phosphorylation and OPA1 proteolysis are unrelated events: Implications for Alzheimer's Disease Biochim Biophys Acta Mol Cell Res 2021-08-17 [PMID: 34400175] (WB, Human, Mouse)

Deng G, Nagai Y, Xiao Y et al. Pim-2 kinase influences Tregulatory cell function and stability by mediating Foxp3 N-terminal phosphorylation J Biol Chem (WB, Human)

### Details:

This publication used the HRP conjugated form of this antibody (Cat# NB100-1981).

Deng G, Nagai Y, Xiao Y et al. Pim-2 kinase influences Tregulatory cell function and stability by mediating Foxp3 N-terminal phosphorylation J Biol Chem 2015-08-31 [PMID: 25987564] (WB, Human)

### Details:

This citation used the HRP version of this antibody.

Meena RC, Thakur S, Nath S, Chakrabarti A. Tolerance to thermal and reductive stress in *Saccharomyces cerevisiae* is amenable to regulation by phosphorylation?dephosphorylation of Ubiquitin conjugating enzyme 1 (Ubc1) S97 and S115. Yeast 2011-10-15 [PMID: 21996927] (WB)





### **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 NB100-1953**

---

NB820-59657	Mouse Brain Whole Tissue Lysate (Adult Whole Normal)
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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NB100-1953](http://www.novusbio.com/reviews/submit/NB100-1953)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

