

# Product Datasheet

## Rattin Antibody - BSA Free

### NB300-246

Unit Size: 0.1 ml

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

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



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

#### Publications: 4

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB300-246](http://www.novusbio.com/NB300-246)

Updated 9/9/2025 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/NB300-246](http://www.novusbio.com/reviews/destination/NB300-246)



**NB300-246**

Rattin Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS

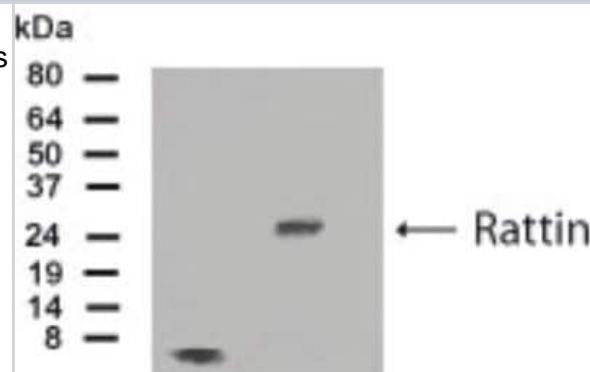
Product Description	
Description	Novus Biologicals Rabbit Rattin Antibody - BSA Free (NB300-246) is a polyclonal antibody validated for use in IHC and WB. Anti-Rattin Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Species	Human, Rat
Reactivity Notes	This antibody reacts with the rat protein. Use in Human reported in scientific literature (PMID:32444831).
Specificity/Sensitivity	Reacts with residues 20-35 [VKRLESPNKTRRPYGA] of the Rattin peptide, which is not in the conserved region to Humanin.
Immunogen	A synthetic peptide mapping to residues 20-35 [VKRLESPNKTRRPYGA] of the Rattin protein.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500, Immunohistochemistry-Paraffin
Application Notes	Use in Immunohistochemistry-Paraffin reported in scientific literature (PMID:32444831).Western blot The investigator should determine the optimal dilution for a specific application such as immunohistochemistry.

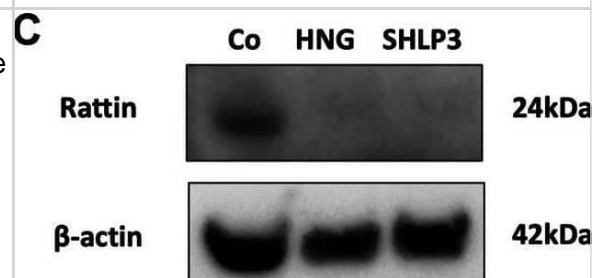


## Images

Western Blot: Rattin Antibody [NB300-246] - Analysis of Rattin using NB300-246 using 100 ng of Rattin peptide and from 50 ug of total lysates of 293 T cells transfected with plasmids encoding GFP-Rattin.



HNG decreases Rattin expression in gentamicin-exposed cochlear hair cells. The expression of Rattin in OC explants was measured by real-time PCR. OC explants were treated with 200  $\mu$ M gentamicin (GM) in combination with or without 1  $\mu$ M HNG (A) or 0.1  $\mu$ M SHLP3 (B) for 6 h and 16 h. At least three explants were used as sample pool for each condition. Values are presented as mean+S.D. \*P < 0.05, ns no significant between all groups. C Western blot results showing the expression of RATTIN after 24-h peptide treatment (1  $\mu$ M HNG or 0.08  $\mu$ M SHLP3). At least six explants were used as a sample pool for each condition. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/39433756>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



## Publications

Peña Agudelo JA, Pidre ML, Garcia Fallit M et al. Mitochondrial Peptide Humanin Facilitates Chemoresistance in Glioblastoma Cells *Cancers (Basel)* 2023-08-11 [PMID: 37627089] (Western Blot, Rat)

Lu Y, Bartoszek EM, Cortada M et al. Mitochondrial-derived peptides, HNG and SHLP3, protect cochlear hair cells against gentamicin *Cell Death Discovery* 2024-10-21 [PMID: 39433756]

Moreno Ayala MA, Gottardo MF, Zuccato CF et al. Humanin Promotes Tumor Progression in Experimental Triple Negative Breast Cancer *Sci Rep* 2020-05-22 [PMID: 32444831] (IHC-P, Human)

Merdzo I, Rutkai I, Sure VNLR et al. Effects of prolonged type 2 diabetes on mitochondrial function in cerebral blood vessels *Am. J. Physiol. Heart Circ. Physiol.* 2019-09-06 [PMID: 31490734] (WB, Rat)



### **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 NB300-246**

---

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

---

### **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/NB300-246](http://www.novusbio.com/reviews/submit/NB300-246)

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

