

# Product Datasheet

## Dopa Decarboxylase/DDC Antibody - Azide Free NB300-174

Unit Size: 0.1 ml

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

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



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

### Publications: 3

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB300-174](http://www.novusbio.com/NB300-174)

Updated 4/13/2025 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/NB300-174](http://www.novusbio.com/reviews/destination/NB300-174)



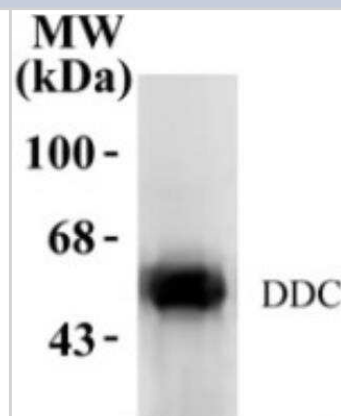
**NB300-174****Dopa Decarboxylase/DDC Antibody - Azide Free**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
<b>Target Molecular Weight</b>	55 kDa
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	1644
<b>Gene Symbol</b>	DDC
<b>Species</b>	Human, Mouse, Rat, Porcine, Bovine
<b>Reactivity Notes</b>	Porcine reactivity reported in (PMID: 19857468).
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~55 kDa Dopa Decarboxylase/DDC protein.
<b>Immunogen</b>	SDS denatured, recombinant bovine aromatic DOPA decarboxylase expressed in E. coli and purified from inclusion bodies. Accession # P27718
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Simple Western, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 1:1000, Simple Western 1:500, Immunohistochemistry 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	<p>This antibody can be used in Western blot where a single band at 55 kDa is seen. Immunohistochemistry-Paraffin was reported in scientific literature.</p> <p>In Simple Western only 10 - 15 uL of the recommended dilution is used per data point.</p> <p>See <a href="#">Simple Western Antibody Database</a> for Simple Western validation: Tested in Mouse Cerebellum lysate 0.2 mg/mL, separated by Size, antibody dilution of 1:500. Separated by Size-Wes, Sally Sue/Peggy Sue.</p>

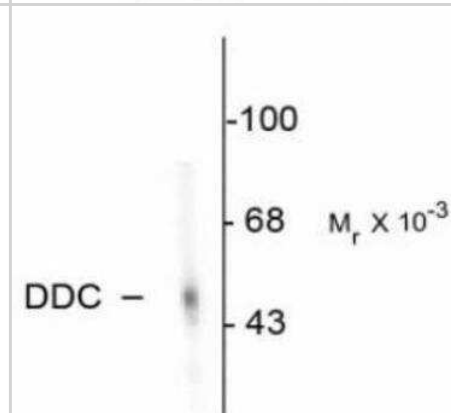


## Images

Western Blot: Dopa Decarboxylase/DDC Antibody [NB300-174] - Rat adrenal medulla. The antibody is specific for the ~55 kDa DOPA decarboxylase protein.



Western Blot: Dopa Decarboxylase/DDC Antibody [NB300-174] - Rat adrenal medulla showing specific immunolabeling of the ~55k DDC protein.



Simple Western: Dopa Decarboxylase/DDC Antibody [NB300-174] - Simple Western lane view shows a specific band for DOPA Decarboxylase in 0.2 mg/ml of Mouse Cerebellum lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. \*Non-specific interaction with the 230 kDa standard may be seen with this antibody.



## Publications

Valsecchi V, Errico F, Bassareo V et al. SMN deficiency perturbs monoamine neurotransmitter metabolism in spinal muscular atrophy Communications biology 2023-11-13 [PMID: 37957344] (WB, Mouse)

Details:  
1:1000 WB dilution

Fathi A, Bakshy K, Zieghami L et al. Diverging Parkinsons Disease Pathology between patient-derivedGBAN370S, LRRK2G2019Sand engineeredSNCAA53TiPSC-derived Dopaminergic Neurons bioRxiv 2023-01-07 (Western Blot, Human)

Blechingberg J, Holm IE, Johansen MG et al. Aromatic l-amino acid decarboxylase expression profiling and isoform detection in the developing porcine brain. Brain Res 2010-01-13 [PMID: 19857468] (IHC-P, WB, Porcine)



### **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 NB300-174**

---

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-56918PEP	Dopa Decarboxylase/DDC Antibody Blocking Peptide

---

### **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/NB300-174](http://www.novusbio.com/reviews/submit/NB300-174)

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

