

# Product Datasheet

## DARPP-32 Antibody - Azide Free NB300-304

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: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NB300-304](http://www.novusbio.com/NB300-304)

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/NB300-304](http://www.novusbio.com/reviews/destination/NB300-304)

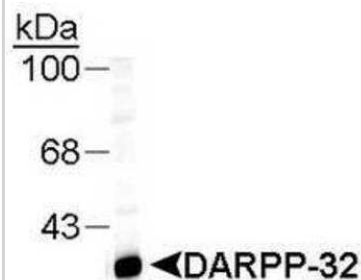


**NB300-304****DARPP-32 Antibody - Azide Free**

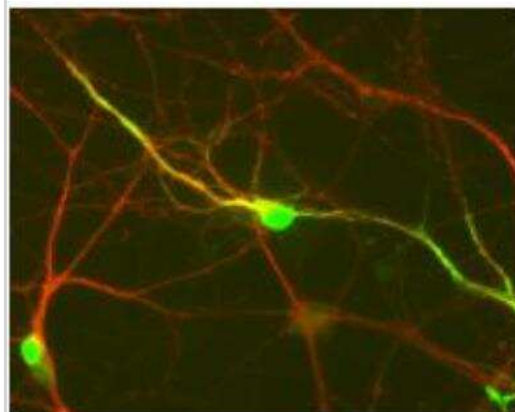
<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<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>	32 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Rabbit DARPP-32 Antibody - Azide Free (NB300-304) is a polyclonal antibody validated for use in IHC and WB. Anti-DARPP-32 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	84152
<b>Gene Symbol</b>	PPP1R1B
<b>Species</b>	Mouse, Rat
<b>Reactivity Notes</b>	It is anticipated that the antibody will also react with bovine, canine, chicken, mouse, non-human primate and Xenopus based on the fact that these species have 100% homology with the amino acid sequence used as antigen.
<b>Marker</b>	Neuronal Marker
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~32 kDa DARPP-32 protein.
<b>Immunogen</b>	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH. Accession # Q6J4I0
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry

## Images

Western Blot: DARPP32 Antibody [NB300-304] - Detection of DARPP protein in rat hippocampal lysate using NB 300-304.



Immunocytochemistry/Immunofluorescence: DARPP-32 Antibody [NB300-304] - Staining of cultured CD1 mouse striatal cells showing specific labeling of DARPP-32 in green and Tuj1 in red. Cells and photo courtesy of QBMCellScience.



## Publications

Shioda N, Han F, Moriguchi S et al. Constitutively active calcineurin mediates delayed neuronal death through Fas-ligand expression via activation of NFAT and FKHR transcriptional activities in mouse brain ischemia. *J Neurochem.* 2007-09-01 [PMID: 17662023] (WB, Mouse)

Details:

DARPP-32 (IMG-5373): WB (mouse brain tissue), Fig 2B.

Hamel S, Bouchard A, Ferrario C et al. Both t-Darpp and DARPP-32 can cause resistance to trastuzumab in breast cancer cells and are frequently expressed in primary breast cancers *Breast Cancer Res Treat* 2010-02-01 [PMID: 19301121] (WB, 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 NB300-304**

---

NBL1-14679	DARPP-32 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

---

### **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/NB300-304](http://www.novusbio.com/reviews/submit/NB300-304)

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

