

# Product Datasheet

## GABA-AR alpha 3 Antibody - Azide Free NB100-61096

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/NB100-61096](http://www.novusbio.com/NB100-61096)

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/NB100-61096](http://www.novusbio.com/reviews/destination/NB100-61096)



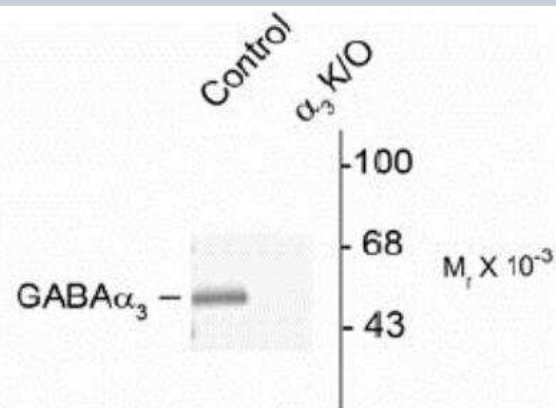
**NB100-61096****GABA-AR alpha 3 Antibody - Azide Free**

<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>	51 kDa
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Rabbit GABA-AR alpha 3 Antibody - Azide Free (NB100-61096) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GABA-AR alpha 3 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	2556
<b>Gene Symbol</b>	GABRA3
<b>Species</b>	Mouse, Rat
<b>Specificity/Sensitivity</b>	Specific for endogenous levels of the ~51 kDa alpha3-subunit of the GABAA receptor. Immunolabeling is absent in alpha3-subunit knockout animals.
<b>Immunogen</b>	Synthetic peptide from the N-terminal region of the alpha 3 subunit. Accession # P20236
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:1000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin 1:100, Knockout Validated
<b>Application Notes</b>	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 19959723)



## Images

Western Blot: GABA A R alpha 3 Antibody [NB100-61096] - Rat brain lysates from wild type (Control) and  $\alpha_3$ -knockout ( $\alpha_3$ -K/O) animals showing specific immunolabeling of the ~51k  $\alpha_3$ -subunit of the GABA A R. The labeling was absent from a lysate prepared from  $\alpha_3$ -knockout animals.



Immunohistochemistry: GABA A R alpha 3 Antibody [NB100-61096] - Immunostaining of rat amygdala showing labelling of GABA A R alpha 3



## Publications

Li S, Jiang X, Wu Q et al. Electroacupuncture Suppresses CCI-Induced Neuropathic Pain through GABAA Receptors Evidence-based complementary and alternative medicine : eCAM 2022-10-07 [PMID: 36248405] (WB, Rat)

Yamasaki T, Hoyos-Ramirez E, Martenson JS et al. GARLH Family Proteins Stabilize GABAA Receptors at Synapses.. Neuron. 2017-03-08 [PMID: 28279354]

Schwirtlich M, Emri Z, Antal K et al. GABAA and GABAB receptors of distinct properties affect oppositely the proliferation of mouse embryonic stem cells through synergistic elevation of intracellular Ca<sup>2+</sup>. FASEB J. [PMID: 19959723] (ICC/IF, Mouse)



### **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 NB100-61096**

---

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/NB100-61096](http://www.novusbio.com/reviews/submit/NB100-61096)

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

