

Product Datasheet

GABA-AR alpha 1 Antibody - Azide Free NB300-207

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NB300-207

Updated 2/21/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NB300-207



NB300-207**GABA-AR alpha 1 Antibody - Azide Free**

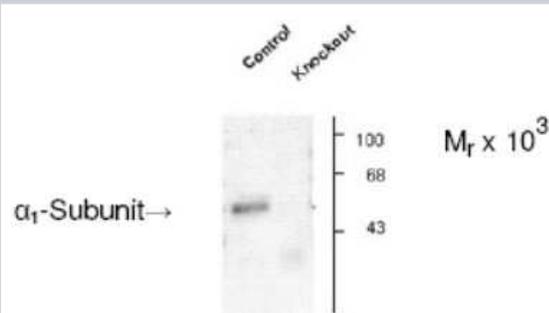
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	51 kDa

Product Description	
Host	Rabbit
Gene ID	2554
Gene Symbol	GABRA1
Species	Mouse, Rat
Reactivity Notes	It is anticipated that the antibody will react with bovine, canine, human, and non-human primate based on the fact that these species have 100% homology with the amino acid sequence used as antigen.
Specificity/Sensitivity	Specific for endogenous levels of the ~51 kDa alpha1-subunit of the GABAA receptor. Labeling is absent in alpha1-subunit knockout animals.
Immunogen	Fusion protein from the cytoplasmic loop of the alpha 1 subunit. Accession # P62813

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunoprecipitation, Knockout Validated
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:100, Immunoprecipitation, Knockout Validated
Application Notes	Use in immunoprecipitation reported in scientific literature (PMID:28536106).

Images

Western Blot: GABA-AR alpha 1 Antibody [NB300-207] - Mouse forebrain lysates from wild type (Control) and a1-knockout (a1-K/O) animals showing specific immunolabeling of the ~51k a1-subunit of the GABAA-R. The labeling was absent from a lysate prepared from a1-knockout animals.



Publications

Lindemeyer AK, Shen Y, Yazdani F et al. alpha 2 Subunit-Containing GABAA Receptor Subtypes Are Upregulated and Contribute to Alcohol-Induced Functional Plasticity in the Rat Hippocampus Mol Pharmacol. 2018-07-31 [PMID: 28536106] (WB, IP, Mouse)

Roberts, D S, Hu, Y, Lund, I V, Brooks-Kayal, A R, Russek, S J. Brain-derived Neurotrophic Factor (BDNF)-induced Synthesis of Early Growth Response Factor 3 (Egr3) Controls the Levels of Type A GABA Receptor{alpha}4 Subunits in Hippocampal Neurons. 281, 29431-29435. 2006-01-01 [PMID: 16901909] (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 NB300-207

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-33762PEP	GABA-AR alpha 1 Recombinant Protein Antigen

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

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NB300-207

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

