

Product Datasheet

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

Unit Size: 0.1 ml

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

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Publications: 2

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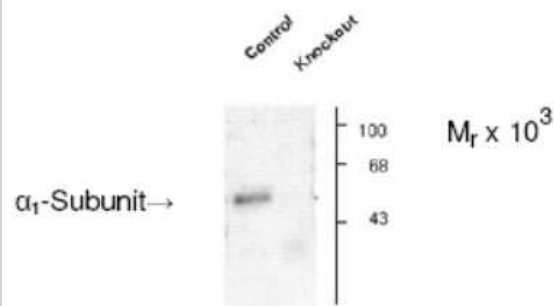


NB300-207**GABA-AR alpha 1 Antibody - Azide Free**

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	
Description	Novus Biologicals Knockout (KO) Validated Rabbit GABA-AR alpha 1 Antibody - Azide Free (NB300-207) is a polyclonal antibody validated for use in IHC, WB and IP. Anti-GABA-AR alpha 1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
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 $\alpha 1$ -knockout ($\alpha 1$ -K/O) animals showing specific immunolabeling of the ~51k $\alpha 1$ -subunit of the GABAA-R. The labeling was absent from a lysate prepared from $\alpha 1$ -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)



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Products Related to NB300-207

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.

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