

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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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

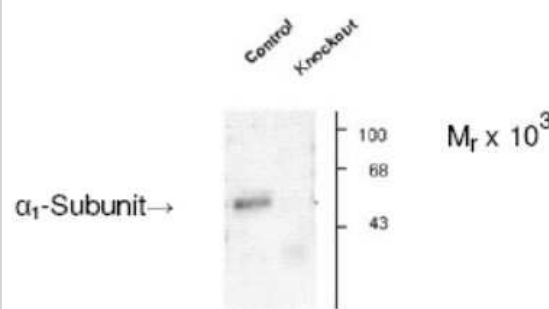
Host	Rabbit
Gene ID	2554
Gene Symbol	GABRA1
Species	Mouse, Rat
Reactivity Notes	It is anticipated that the antibody will react with bovine, canine, human, and non-human primate based on the fact that these species have 100% homology with the amino acid sequence used as antigen.
Specificity/Sensitivity	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 $\alpha 1$ -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

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.

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