

Product Datasheet

GABA-AR alpha 6 Antibody - Azide Free NB300-196

Unit Size: 0.1 ml

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

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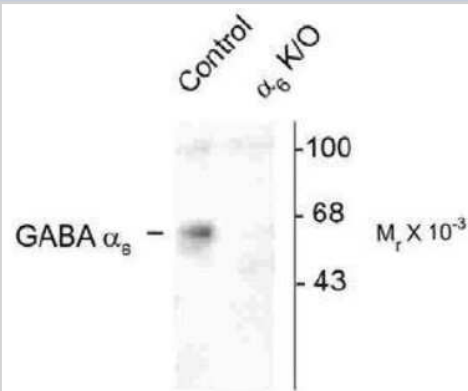


NB300-196**GABA-AR alpha 6 Antibody - Azide Free**

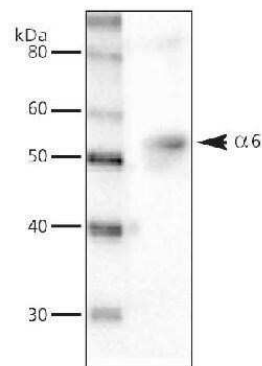
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	57 kDa
Product Description	
Description	Novus Biologicals Knockout (KO) Validated Rabbit GABA-AR alpha 6 Antibody - Azide Free (NB300-196) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-GABA-AR alpha 6 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2559
Gene Symbol	GABRA6
Species	Human, Mouse, Rat
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 17977981).
Specificity/Sensitivity	Specific for endogenous levels of the ~57 kDa alpha 6-subunit of the GABAA receptor. Labeling is absent in alpha 6-subunit knockout animals.
Immunogen	Fusion protein from the cytoplasmic loop of the alpha 6 subunit. Accession # P30191
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Knockout Validated
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Knockout Validated
Application Notes	Use in Immunocytochemistry/immunofluorescence reported in scientific literature (PMID 17977981). Use in Immunohistochemistry reported in scientific literature (PMID: 30016665). Use in Immunohistochemistry reported in scientific literature (PMID: 30016665). Western blot a band at approximately 57 kDa is seen. Immunoprecipitation showed 53% of all GABA-A receptors in dodecylsulfate extracts of rat cerebella (150 ul).

Images

Western Blot: GABA-A R alpha 6 Antibody [NB300-196] - Analysis of mouse forebrain lysates from Wild Type (Control) and α_6 -knockout (α_6 -K/O) animals showing specific immunolabeling of the ~57k α_6 -subunit of the GABAA-R. The labeling was absent from a lysate prepared from α_6 -knockout animals.



Western Blot: GABA A Receptor alpha 6 Antibody [NB300-196] - Detection of GABA-A alpha 6 receptor in wildtype cerebellum (5-7 ug/lane).



Publications

Chang X, Yeh C, Pan Y et al. α_6 GABA A receptor positive allosteric modulators targeting trigeminal ganglia for preventing and aborting chronic periorbital allodynia and cephalic pain in both sexes: A mechanistic and comparative preclinical study. *Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie* 2025-07-12 [PMID: 40652726]

Huang TH, Lin YS, Hsiao CW et al. Differential expression of GABA(A) receptor subunits α_7 and α_6 mediates tonic inhibition in parvalbumin and somatostatin interneurons in the mouse hippocampus *Frontiers in Cellular Neuroscience* 2023-07-20 [PMID: 37545878] (Immunocytochemistry/ Immunofluorescence, Human)

Tzeng HR, Lee MT, Fan PC et al. α_6 GABAA Receptor Positive Modulators Alleviate Migraine-like Grimaces in Mice via Compensating GABAergic Deficits in Trigeminal Ganglia *Neurotherapeutics* 2020-10-27 [PMID: 3311258] (Mouse)

Fan PC, Lai TH, Hor CC et al. The α_6 subunit-containing GABAA receptor: A novel drug target for inhibition of trigeminal activation. *Neuropharmacology*. 2018-07-20 [PMID: 30016665] (IF/IHC)

Herden, C et al. Differential Effects of Methylmercury on GABAA Receptor Currents in Rat Cerebellar Granule Cerebral Cortical Neurons in Culture. *J. Pharmacol. Exp.* 2007-10-31 [PMID: 17977981] (ICC/IF, Human)



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Products Related to NB300-196

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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