

Anti-GABA-A-R, Delta Antibody



Product Details

Available Variants	100 µL (SKU:75-171) 20 µL (SKU:75-171-020)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	N151/3
Gene Name	Gabrd
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.99
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, WB
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptide amino acids 15-34 (CTQPHHGARAMNDIGDYVGS, extracellular N-terminus) of rat GABA-A-R-Delta (accession number P18506)
Specificity	No cross-reactivity reported
Molecular Weight	55 kDa
Quality Control	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
Storage	Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to

removing the cap.

Antibody Registry ID AB_2107254

UniProt ID [P18506](#)

UniProt Summary: Delta subunit of the heteropentameric ligand-gated chloride channel gated by gamma-aminobutyric acid (GABA), a major inhibitory neurotransmitter in the brain. GABA-gated chloride channels, also named GABA(A) receptors (GABAAR), consist of five subunits arranged around a central pore and contain GABA active binding site(s) located at the alpha and beta subunit interface(s). When activated by GABA, GABAARs selectively allow the flow of chloride anions across the cell membrane down their electrochemical gradient. GABAARs containing delta/GABRD subunits are predominantly expressed and located in extrasynaptic or perisynaptic positions on hippocampus and cerebellar granule cells, and contribute to the tonic GABAergic inhibition. GABAAR containing alpha-4-beta-3-delta subunits can simultaneously bind GABA and histamine where histamine binds at the interface of two neighboring beta subunits, which may be involved in the regulation of sleep and wakefulness.

Country of Origin United States

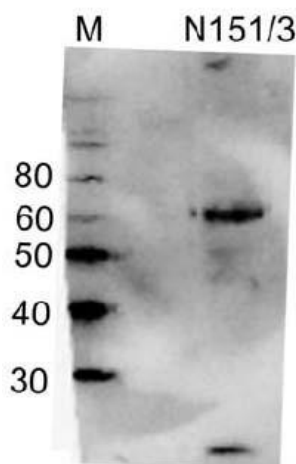
Shipping Shipped on ice packs

Expiration 24 months from date of receipt

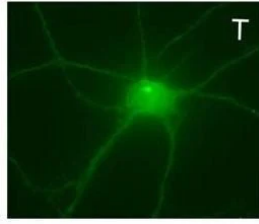
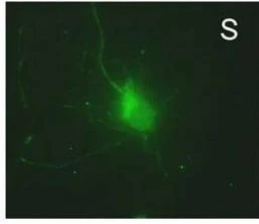
Usage Statement These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

NCBI Gene ID 29689

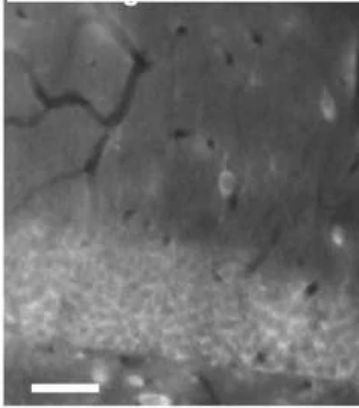
Product Images



Cerebellar lysate immunoblot probed with N151/3 (3 mg/mL).



Cultured rat hippocampal neuron surface (S, left) and total (T, right) protein immunofluorescence staining (green) with N151/3 (2 mg/mL).



Hippocampus immunohistochemistry with N151/3 (5 mg/mL).

Product Page URL: www.antibodiesinc.com/products/anti-gaba-a-r-delta-antibody-n151-3-75-171



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