

Purified anti-GABRB3 Antibody (Previously Covance catalog# MMS-5134)

Catalog# / Size	818501 / 100 µL
Clone	N87/25
Regulatory Status	RUO
Other Names	Gamma-aminobutyric acid receptor subunit beta-3, cleft palate 1, GABA(A) receptor subunit beta-3, gamma-aminobutyric acid (GABA-A) receptor, subunit beta 3
Previously	Covance Catalog# MMS-5134
Isotype	Mouse IgG1, κ
Description	Gamma-aminobutyric acid receptor subunit beta-3 (GABRB3) is a component of the hetero-pentameric receptor for gamma-aminobutyric acid (GABA), the major inhibitory neurotransmitter in the vertebrate brain. The receptor is a ligand-gated multi-subunit chloride channel. The GABRB3 protein is encoded by the GABRB3 gene in humans. Mutations in this gene have been associated with the pathogenesis of several disorders including Angelman syndrome, Prader-Willi syndrome, epilepsy and autism.

Product Details

Verified Reactivity	Human, Mouse, Rat
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	This monoclonal antibody was raised against a fusion protein corresponding to amino acids 370-433 of mouse GABA(A) Receptor, Beta-3 protein.
Formulation	Phosphate-buffered solution.
Preparation	The antibody was purified by affinity chromatography.
Concentration	1.0 mg/ml
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C. Please note the storage condition for this antibody has been changed from -20°C to between 2°C and 8°C. You can also check your vial or your CoA to find the most accurate storage condition for this antibody.
Application	WB - Quality tested IHC-P - Verified
Recommended Usage	Each lot of this antibody is quality control tested by Western blotting . For Western blotting, the suggested use of this reagent is 1.0 µg per ml. For immunohistochemistry on formalin-fixed paraffin-embedded tissue sections, a concentration of 10.0 µg/ml is suggested. It is recommended that the reagent be titrated for optimal performance for each application.
RRID	AB_2564821 (BioLegend Cat. No. 818501)

Antigen Details

Structure	Expected Molecular Weight: 55 kD.
Cell Type	GABAergic Neurons
Biology Area	Cell Biology, Neuroscience, Neuroscience Cell Markers, Synaptic Biology
Molecular Family	Postsynaptic proteins
Gene ID	14402

Related Protocols

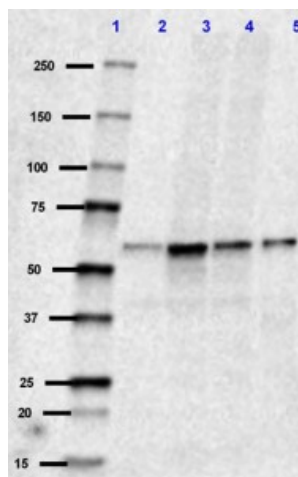
[Western Blotting Protocol](#)

[Immunohistochemistry Protocol for Paraffin-Embedded Sections](#)

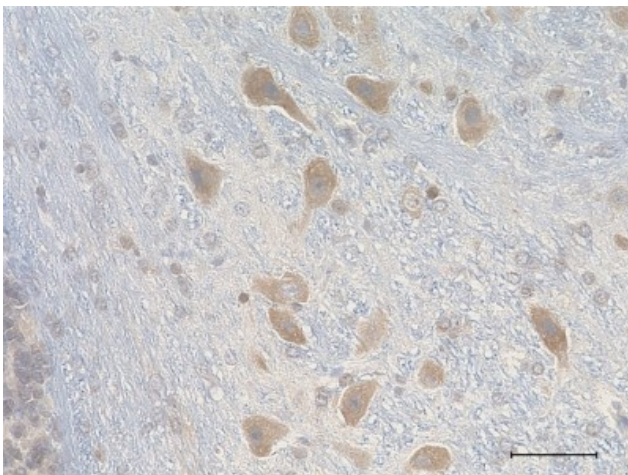
Other Formats

Purified anti-GABRB3, HRP anti-GABRB3

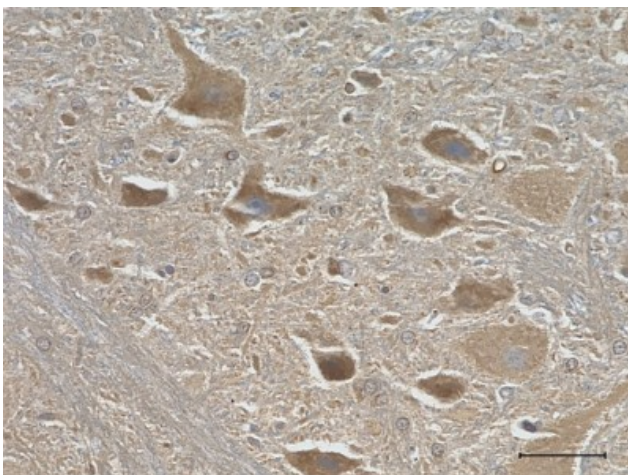
Product Data



Western blot of purified anti-GABRB3 antibody (clone N87/25). Lane 1: Molecular weight marker; Lane 2: 20 μ g of human brain membrane lysate; Lane 3: 20 μ g of mouse brain membrane lysate; Lane 4: 20 μ g of rat brain membrane lysate; Lane 5: 20 μ g Jurkat cell lysate. The blot was incubated with 1 μ g/mL of the primary antibodies overnight at 4°C, followed by incubation with HRP labeled goat anti-mouse IgG (Cat. No. 405306). Enhanced chemiluminescence was used as the detection system.



IHC staining of purified anti-GABRB3 antibody (clone N87/25) on formalin-fixed paraffin-embedded mouse brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 μ g/ml of the primary antibody overnight at 4°C. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 μ m



IHC staining of purified anti-GABRB3 antibody (clone N87/25) on formalin-fixed paraffin-embedded rat brain tissue. Following antigen retrieval using Sodium Citrate H.I.E.R., the tissue was incubated with 10 μ g/ml of the primary antibody overnight at 4°C. BioLegend's Ultra-Streptavidin (USA) HRP kit (Multi-Species, DAB, Cat. No. 929901) was used for detection followed by hematoxylin counterstaining, according to the protocol provided. The image was captured with a 40X objective. Scale bar: 50 μ m

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BioLegend Inc., 8999 BioLegend Way, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587