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Datasheet for ABIN6657744
anti-GABRB3 antibody (C-Term)

2 Images

Overview

Quantity:	100 µg
Target:	GABRB3
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This GABRB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Fluorescence Microscopy (FM)

Product Details

Immunogen:	Immunogen: GABA-A Receptor Beta3 Antibody was produced in mice by repeated immunizations with fusion protein corresponding to a near c-terminal region of mouse GABA-A _r Beta3. Immunogen Type: Recombinant Protein
Clone:	S87-25
Isotype:	IgG1
Cross-Reactivity:	Human, Mouse (Murine), Rat (Rattus)
Purification:	Anti-GABA-A receptor Beta3 Antibody was purified by Protein G chromatography. A BLAST analysis was used to suggest cross-reactivity with GABA-A receptor Beta3 from human, mouse, and rat based on 100% homology with the immunizing sequence. No cross-reactivity against GABA-A-R-Beta 2 or -Beta1. Cross-reactivity with GABA-A receptor Beta3 from other sources

Product Details

has not been determined. Ion Channels research.

Target Details

Target: GABRB3

Alternative Name: GABA-A Receptor Beta3 ([GABRB3 Products](#))

Background: Synonyms: Gabrb3, GABA(A) receptor subunit beta3, Gamma-aminobutyric acid receptor subunit beta-3
Background: The GABA-A receptor is a member of the superfamily of fast acting ligand-gated ion channels. The individual subunits of these receptors have similar sequences and structural features. GABA-A receptors are the major fast inhibitory neurotransmitter gated ion channels in the brain.
Gene Name: Gabrb3

Gene ID: 14402

NCBI Accession: [NP_032097](#)

UniProt: [P63080](#)

Pathways: [Sensory Perception of Sound](#)

Application Details

Application Notes: Immunohistochemistry Dilution: 0.1-1.0 µg/mL
Application Note: Anti-GABA-A receptor Beta3 Antibody is suitable for use in WB and IF microscopy. Expect a band approximately ~55 kDa on specific lysates. Specific conditions for reactivity should be optimized by the end user.
Western Blot Dilution: 1 µg/mL
IF Microscopy Dilution: 1.0-10 µg/mL

Restrictions: For Research Use only

Handling

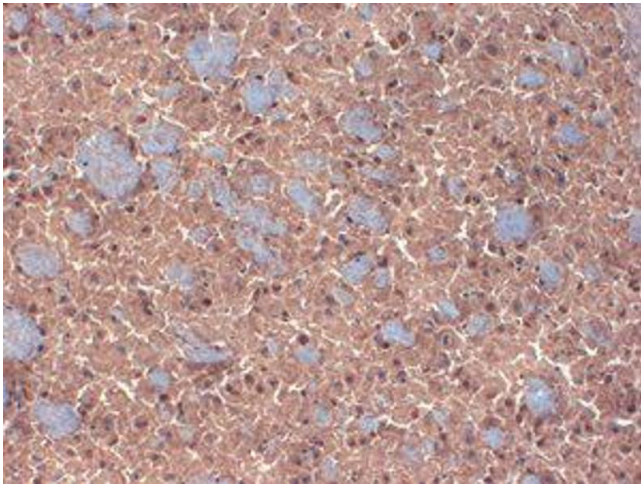
Format: Liquid

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: 50 % (v/v) Glycerol
0.09 % (w/v) Sodium Azide

Handling

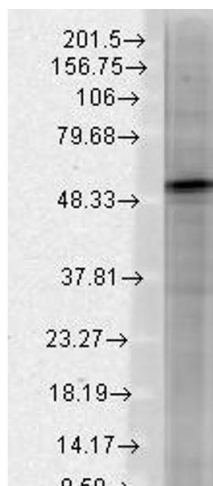
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Images



Immunohistochemistry

Image 1. GABA-A Receptor BETA 3 protein Immunohistochemistry. Immunohistochemistry of mouse anti-GABA-A Receptor BETA 3 antibody. Tissue: mouse brain. Fixation: frozen. Primary Antibody: GABA-A Receptor BETA 3 antibody at 1ug/ml for 1h at RT. Secondary antibody: Peroxidase mouse secondary at 1:10,000 for 45 min at RT. Localization: cell junction. Staining: GABA-A Receptor BETA 3 as precipitated purple signal.



Western Blotting

Image 2. GABA-A Receptor BETA 3 Western Blot. Western Blot of mouse anti-GABA-A Receptor BETA 3 antibody. Lane 1: human cell line mix. Lane 2: none. Load: 35 µg per lane. Primary antibody: GABA-A Receptor BETA 3 antibody at 1:1000 for overnight at 4°C. Secondary antibody: mouse secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 54.1 kDa, ~50 kDa for GABA-A Receptor BETA 3. Other band(s): none.