


Anti-GABA A Receptor beta 3/GABRB3 antibody [N87/25] ab98968

14 References **3 图像**

概述

产品名称	Anti-GABA A Receptor beta 3/GABRB3抗体[N87/25]
描述	小鼠单克隆抗体[N87/25] to GABA A Receptor beta 3/GABRB3
宿主	Mouse
特异性	Does not cross react with GABA A Receptor Beta 2 or Beta 1.
经测试应用	适用于: IHC-Fr, ICC/IF, IHC-P, Flow Cyt, WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Cow, Orangutan 
免疫原	Fusion protein corresponding to Mouse GABA A Receptor beta 3/GABRB3 aa 350-450. Database link: P63080  Run BLAST with  Run BLAST with
阳性对照	WB: Rat brain lysate. Flow Cyt: SH-SY5Y cells. IHC-P: Mouse brain tissue.
常规说明	<p>The clone number has been updated from S87-25 to N87/25, both clone numbers name the same antibody clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.09% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
纯度	Protein G purified
克隆	单克隆

克隆编号

N87/25

同种型

IgG1

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab98968于以下的经测试应用

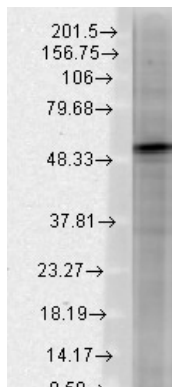
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-Fr		1/1000.
ICC/IF		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		1/1000. Predicted molecular weight: 55 kDa. Sufficient for detection of GABA A Receptor beta 3/GABRB3 in 10µg of rat brain lysate by colorimetric immunoblot analysis using goat anti-mouse IgG:HRP as the secondary antibody.

靶标

功能	Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine. Functions as receptor for diazepines and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel.
疾病相关	Epilepsy, childhood absence 5
序列相似性	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB3 sub-subfamily.
细胞定位	Cell junction, synapse, postsynaptic cell membrane. Cell membrane.

图片



Western blot - Anti-GABA A Receptor beta 3/GABRB3 antibody [N87/25] (ab98968)

Anti-GABA A Receptor beta 3/GABRB3 antibody [N87/25] (ab98968) at 1/1000 dilution + Rat brain membrane lysate at 15 µg

Secondary

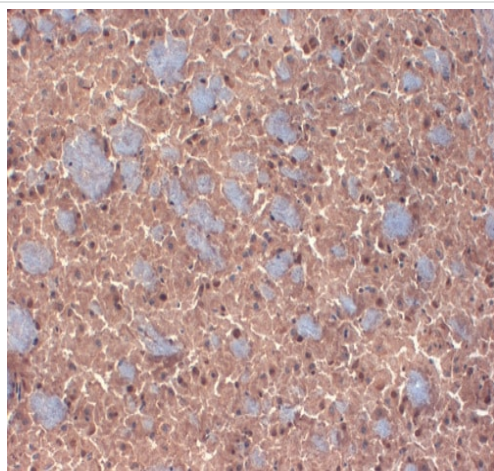
Sheep Anti-Mouse IgG: HRP

Predicted band size: 55 kDa

Block: 1.5% BSA for 30 minutes at RT.

Incubation with primary antibody for 2 hours at RT.

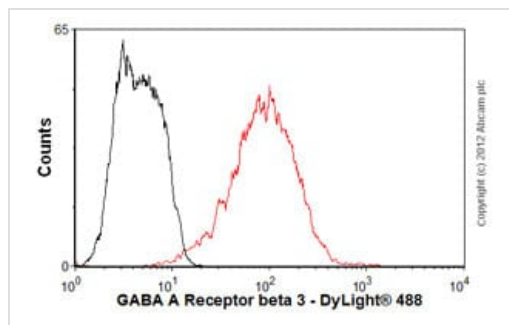
Incubation with secondary antibody for 1 hour at RT.



Immunohistochemistry (Frozen sections) - Anti-GABA A Receptor beta 3/GABRB3 antibody [N87/25] (ab98968)

ab98968 staining GABA A Receptor beta 3/GABRB3 in mouse brain tissue sections by Immunohistochemistry (IHC-Fr - frozen sections).

Tissue was fixed in 10% formalin for 12-24 hours at RT. Primary Antibody: ab98968 at 1:1000 for 1 hour at RT. Secondary Antibody: HRP/DAB Detection System: Biotinylated Goat Anti-Mouse, Streptavidin Peroxidase, DAB Chromogen (brown) for 30 minutes at RT. Counterstain: Mayer Hematoxylin (purple/blue) nuclear stain at 250-500 µl for 5 minutes at RT.



Flow Cytometry - Anti-GABA A Receptor beta 3/GABRB3 antibody [N87/25] (ab98968)

Overlay histogram showing SH-SY5Y (Human neuroblastoma cell line from bone marrow) cells stained with ab98968 (red line).

The cells were fixed with 4% paraformaldehyde (10 minutes) and then permeabilized with 0.1% PBS-Tween for 20 minutes. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab98968, 1µg/1x10⁶ cells) for 30 minutes at 22°C.

The secondary antibody used was DyLight[®] 488 goat anti-mouse IgG (H+L) (**ab96879**) at 1/500 dilution for 30 minutes at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIG1] (**ab91353**, 2µg/1x10⁶ cells) used under the same conditions.

Acquisition of >5,000 events was performed. This antibody gave a positive signal in SH-SY5Y cells fixed with 80% methanol (5 minutes)/permeabilized with 0.1% PBS-Tween for 20 minutes used under the same conditions.

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