

Product datasheet

Anti-GABRB1 antibody [N96/55] ab93612

1 References 3 Images

Overview

Product name	Anti-GABRB1 antibody [N96/55]
Description	Mouse monoclonal [N96/55] to GABRB1
Host species	Mouse
Specificity	No cross-reactivity against GABA A Receptor beta 2 or GABA A Receptor beta 3.
Tested applications	Suitable for: IHC-P, WB, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Fusion protein corresponding to Mouse GABRB1 aa 327-450 (C terminal). Database link: P50571
Positive control	WB: rat brain lysate. IHC-P: Mouse backskin tissue. ICC/IF: HaCat cells.
General notes	The clone number has been updated from S96-55 to N96/55, both clone numbers name the same antibody clone.

This product was previously labelled as GABA A Receptor beta 1

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol (glycerin, glycerine), PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	N96/55
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab93612** in the following tested applications.

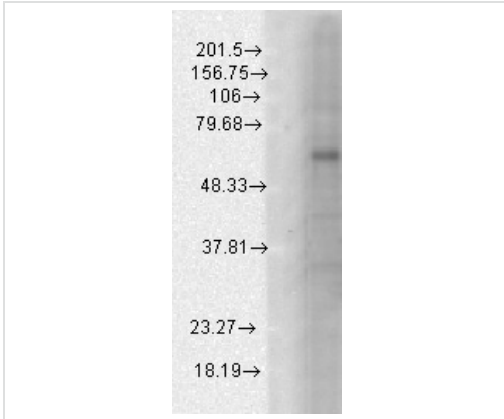
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/1000.
WB		1/1000. Detects a band of approximately 55 kDa (predicted molecular weight: 54 kDa).
ICC/IF		1/100. [0.1 - 1 µg/mL (Perox), 1 - 10 µg/mL (IF)]

Target

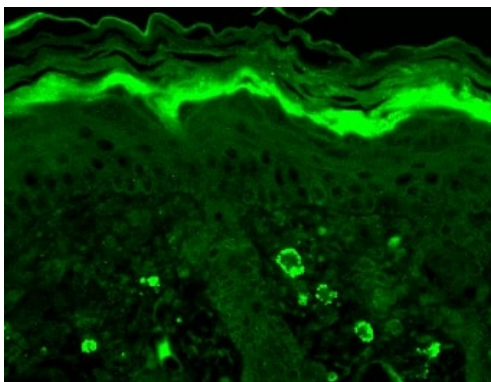
Function	GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.
Sequence similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRB1 sub-subfamily.
Cellular localization	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

Images



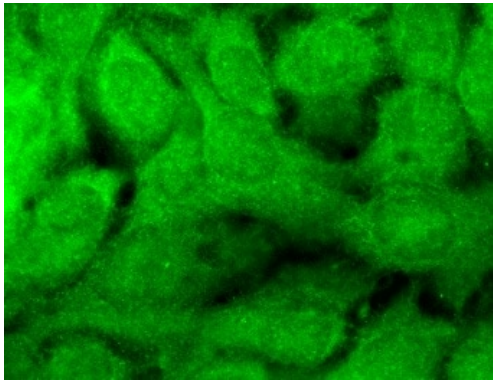
Western blot - Anti-GABRB1 antibody [N96/55]
(ab93612)

Western blot detection of GABRB1 in Rat brain membrane lysates using [ab96612](#) at 1:1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABRB1 antibody [N96/55] (ab93612)

Paraffin-embedded mouse backskin tissue fixed with Bouin's fixative, stained for GABRB1 using [ab93612](#) at 1/100 dilution in immunohistochemical analysis. Primary antibody was incubated for 1 hour at room temperature. FITC-conjugated goat anti-mouse (green) at 1/50 was used as the secondary antibody. Secondary was incubated at 1 hour at room temperature.



Immunocytochemistry/ Immunofluorescence - Anti-GABRB1 antibody [N96/55] (ab93612)

HaCaT (Human keratinocyte cell line) cells stained for GABRB1 using ab93612 at 1/100 dilution in ICC/IF. Cells were fixed using 100% methanol for 10 minutes at -20°C and incubated with primary antibody for 1 hour at room temperature. Secondary antibody was FITC-conjugated goat anti-mouse (green) at 1/50 incubated for 1 hour at room temperature.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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