


Product datasheet

# Anti-GABA A Receptor alpha 2/GABRA2 antibody - C-terminal ab176170

1 References 3 Images

Overview

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<b>Product name</b>	Anti-GABA A Receptor alpha 2/GABRA2 antibody - C-terminal
<b>Description</b>	Rabbit polyclonal to GABA A Receptor alpha 2/GABRA2 - C-terminal
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow 
<b>Immunogen</b>	Synthetic peptide within Human GABA A Receptor alpha 2/GABRA2 aa 384-414 (C terminal) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. Database link: <a href="#">P47869</a>
<b>Positive control</b>	Human brain tissue; NCI-H460; MDA-MB435 cell lysates.
<b>General notes</b>	This product was previously labelled as GABA A Receptor alpha 2

Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

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Our [Abpromise guarantee](#) covers the use of **ab176170** in the following tested applications.

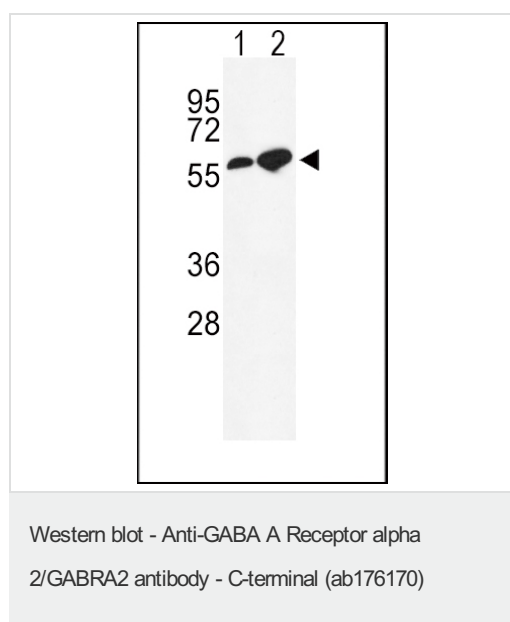
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 51 kDa.
Flow Cyt		1/10 - 1/50. <a href="#">ab171870</a> - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P		1/10 - 1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

<b>Function</b>	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.
<b>Sequence similarities</b>	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRA2 sub-subfamily.
<b>Cellular localization</b>	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

## Images



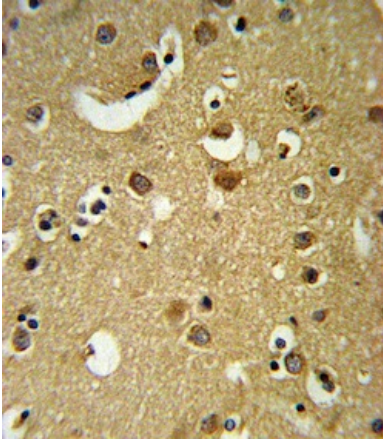
**All lanes :** Anti-GABA A Receptor alpha 2/GABRA2 antibody - C-terminal (ab176170) at 1/1000 dilution

**Lane 1 :** NCI-H460 cell lysate

**Lane 2 :** MDA-MB435 cell lysate

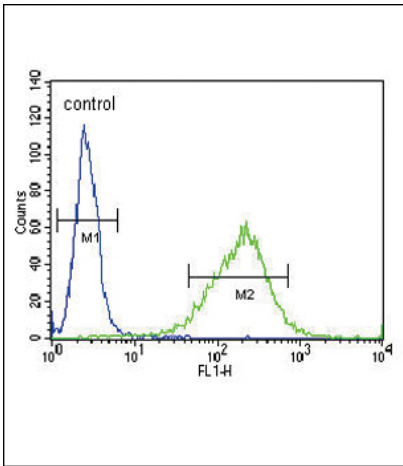
Lysates/proteins at 35 µg per lane.

**Predicted band size:** 51 kDa



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human brain tissue labeling GABA A Receptor alpha 2/GABRA2 with ab176170 at 1/10 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABA A Receptor alpha 2/GABRA2 antibody - C-terminal (ab176170)



Flow cytometric analysis of NCI-H460 cells labelling GABA A Receptor alpha 2/GABRA2 using ab170176 (green) or negative control (blue).

Flow Cytometry - Anti-GABA A Receptor alpha 2/GABRA2 antibody - C-terminal (ab176170)

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