

Product datasheet

Anti-GABA A Receptor beta 2 antibody ab8340

3 References

Overview

<b>Product name</b>	Anti-GABA A Receptor beta 2 antibody
<b>Description</b>	Rabbit polyclonal to GABA A Receptor beta 2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IP, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Fusion protein of MBP with the amino acid sequence representing the cytosolic loop of the rat GABA-A receptor beta 2 subunit.

Properties

<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.
<b>Storage buffer</b>	pH: 7.50 Constituents: 0.238% HEPES, 50% Glycerol, 0.87% Sodium chloride, 0.01% BSA
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab8340** 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
IP		Use at an assay dependent dilution. Use 15µg for 150 µl tissue (68% of all GABA-A receptors in dodecylsulfate extracts of rat forebrains).
WB		1/1000. By Western blot, this antibody detects an 50 - 53 kDa protein, corresponding to the expected molecular weight of GABA A receptor beta 2 subunit.

## Target

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<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>Tissue specificity</b>	Isoform 1 and isoform 2 show reduced expression in schizophrenic brain. Isoform 3 shows increased expression in schizophrenic and bipolar disorder brains while isoform 4 shows reduced expression.
<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. GABRB2 sub-subfamily.
<b>Cellular localization</b>	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

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