




Product datasheet

Anti-GABA A Receptor alpha 2/GABRA2 antibody ab216973

★★★★★ 1 Abreviews 3 Images

Overview

Product name	Anti-GABA A Receptor alpha 2/GABRA2 antibody
Description	Rabbit polyclonal to GABA A Receptor alpha 2/GABRA2
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, Flow Cyt (Intra)
Species reactivity	Reacts with: Mouse, Rat Predicted to work with: Human 
Immunogen	Synthetic peptide within Human GABA A Receptor alpha 2/GABRA2 aa 200-300 conjugated to keyhole limpet haemocyanin. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: P47869 <div>  Run BLAST with  Run BLAST with </div>
Positive control	WB: Mouse brain cell lysate. Flow Cyt (Intra): RSC96 cells. IHC-P: Rat brain tissue.
General notes	<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>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.40 Preservative: 0.02% Proclin 300 Constituents: 50% Glycerol (glycerin, glycerine), 1% BSA, 48.98% TBS, 1X

Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

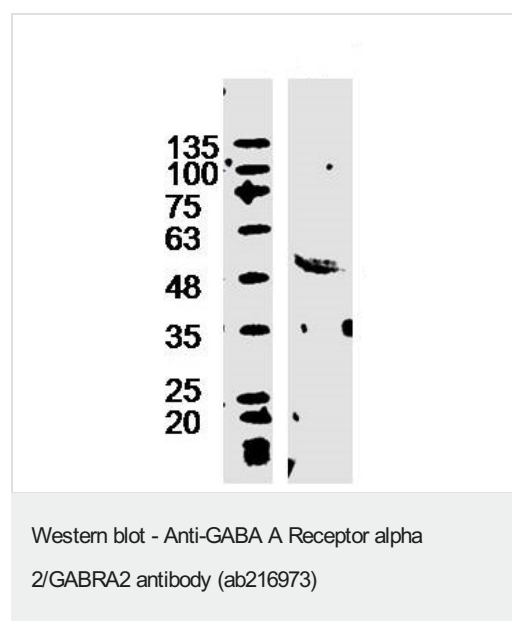
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab216973 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/100 - 1/500.
WB		1/100 - 1/1000. Predicted molecular weight: 51 kDa.
Flow Cyt (Intra)		1/20 - 1/100.

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. GABRA2 sub-subfamily.
Cellular localization	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

Images

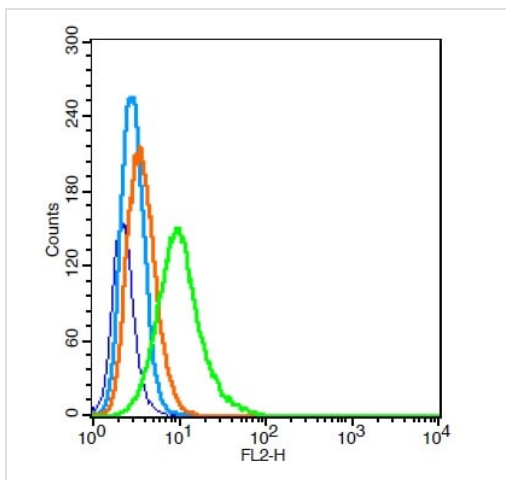


Anti-GABA A Receptor alpha 2/GABRA2 antibody (ab216973) at 1/300 dilution + Mouse brain cell lysate

Secondary

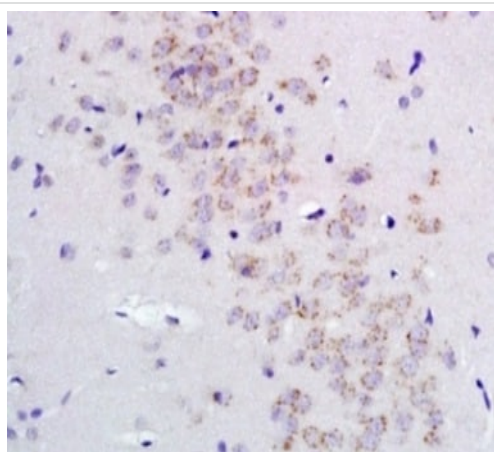
conjugated secondary at 1/5000 dilution

Predicted band size: 51 kDa



Flow Cytometry (Intracellular) - Anti-GABA A Receptor alpha 2/GABRA2 antibody (ab216973)

Intracellular flow cytometric analysis of RSC96 cells labeling GABA A Receptor alpha 2/GABRA2 with ab216973 at 1/100 dilution followed by incubation with a conjugated secondary (PE Conjugated) (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GABA A Receptor alpha 2/GABRA2 antibody (ab216973)

Immunohistochemical analysis of Formalin-fixed, paraffin-embedded Rat brain tissue labeling GABA A Receptor alpha 2/GABRA2 with ab216973 at 1/200 dilution followed by conjugation to the secondary antibody and DAB staining.

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

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