



Product datasheet

Anti-GABRE antibody [S413-67] ab241998

2 Images

Overview

Product name	Anti-GABRE antibody [S413-67]
Description	Mouse monoclonal [S413-67] to GABRE
Host species	Mouse
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Rat, Human
Immunogen	<p>Fusion protein corresponding to Human GABRE aa 27-253. Extracellular N-terminus Sequence:</p> <p>SKNEASSRDVVYGPQPQPLENQLLSEETKSTETETGSRV GKLPEASRILN TILSNYDHKLRPGIGEKPTVVTVEISVNSLGPLSILDMEYTDII FSQTW YDERLCYNDTFESLVLNGNVVSQLWIPDTFFRNSKRTHEH EITMPNQMVR MYDGGKVLTYIRMTIDAGCSLHMLRFPMDSHSCPLSFSSFS YPENEMIIK WENFKLEINEKNSWKLFQFDFTGVSNK</p> <p>Database link: P78334</p> <p style="text-align: right;">  Run BLAST with  Run BLAST with </p>
Positive control	WB: Rat brain tissue lysate. ICC/IF: SK-N-BE cells.
General notes	This product was previously labelled as GABA Receptor Epsilon

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 customer reviews and Q&As.

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	Preservative: 0.1% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Protein G purified
Clonality	Monoclonal
Clone number	S413-67
Isotype	IgG2a

Applications

Our [Abpromise guarantee](#) covers the use of **ab241998** in the following tested applications.

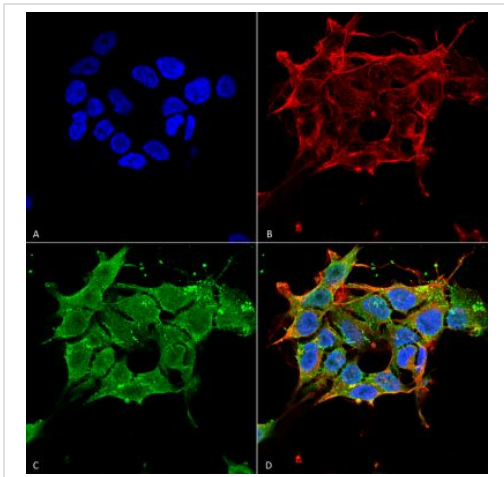
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 58 kDa.
ICC/IF		1/100.

Target

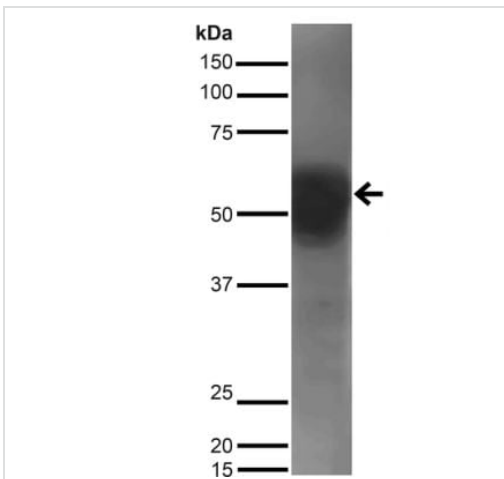
Function	GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel.
Tissue specificity	Expressed in many tissues. Highest levels of expression in adult heart and placenta.
Sequence similarities	Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRE sub-subfamily.
Cellular localization	Cell junction > synapse > postsynaptic cell membrane. Cell membrane.

Images



Immunocytochemistry/ Immunofluorescence - Anti-GABRE antibody [S413-67] (ab241998)

4% formaldehyde-fixed SK-N-BE (human neuroblastoma cell line) cells stained for GABRE (green, C) using ab241998 at 1/100 dilution for 1 hour at room temperature in ICC/IF. Secondary antibody is Goat Anti-Mouse ATTO 488 at 1/100 dilution. Actin is detected with Phalloidin Texas Red F-Actin stain (red, B). The nuclear counterstain is DAPI (blue, A). (D) is a composite image.



Western blot - Anti-GABRE antibody [S413-67] (ab241998)

Anti-GABRE antibody [S413-67] (ab241998) at 1/1000 dilution + Rat brain tissue lysate at 10 µg

Secondary

Goat Anti-Mouse IgG: HRP at 1/200 dilution

Developed using the ECL technique.

Predicted band size: 58 kDa

Exposure time: 6 minutes

Primary and secondary incubation for 1 hour at room temperature.

Blocked for 1 hr at RT.

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

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