

Product datasheet

Anti-RGS17 / RGSZ2 antibody ab96675

1 Image

Overview

Product name	Anti-RGS17 / RGSZ2 antibody
Description	Rabbit polyclonal to RGS17 / RGSZ2
Host species	Rabbit
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	<p>Synthetic peptide: EVSLDSRVRE VINRNLLDPN PHMYEDAQLQ IYTLMHRDSF PRFLNSQYK SFVESTAGSS SES, corresponding to amino acids 148-210 of Human RGS17/ RGSZ2 (NP_036551).</p> <p>Run BLAST with ExPASy Run BLAST with NCBI</p>
Positive control	293T, A431, H1299, HeLa, HepG2, MOLT4 and Raji cell lysates
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>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.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>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.</p> <p>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.</p> <p>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.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab96675** in the following tested applications.

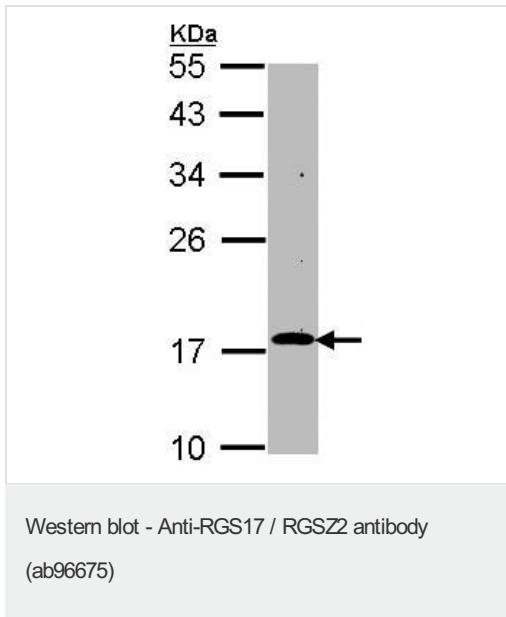
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Predicted molecular weight: 24 kDa.

Target

Function	Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds selectively to G(z)-alpha and G(alpha)-i2 subunits, accelerates their GTPase activity and regulates their signaling activities. The G(z)-alpha activity is inhibited by the phosphorylation and palmitoylation of the G-protein. Negatively regulates mu-opioid receptor-mediated activation of the G-proteins.
Tissue specificity	Predominantly expressed in the cerebellum. Also expressed in the cortex and medulla. Weakly expressed in a number of peripheral tissues notably spleen, lung and leukocytes.
Sequence similarities	Contains 1 RGS domain.
Post-translational modifications	Fatty acylated. Heavily palmitoylated in the cysteine string motif. N- and O-glycosylated in synapsomal membranes. Serine phosphorylated in synapsomal membranes. Sumoylated by SUMO1 and SUMO2 in synaptosomes. The sumoylated forms act as a scaffold for sequestering mu-opioid receptor-activated G(alpha) subunits.
Cellular localization	Membrane. Nucleus. Cytoplasm. Shuttles between the cytoplasm/cell membrane and the nucleus. Anchored to the membrane through palmitoylation.

Images



Anti-RGS17 / RGSZ2 antibody (ab96675) at 1/1000 dilution +
HepG2 whole cell lysate at 30 µg

Predicted band size: 24 kDa

12% SDS PAGE

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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