

Product datasheet

Anti-RGS7 antibody ab228618

2 Images

Overview

<b>Product name</b>	Anti-RGS7 antibody
<b>Description</b>	Rabbit polyclonal to RGS7
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Chicken, Cow ▲
<b>Immunogen</b>	Recombinant fragment within Human RGS7 (internal sequence). The exact sequence is proprietary. Database link: <a href="#">P49802</a>
<b>Positive control</b>	WB: U-87 MG and SK-N-SH whole cell extracts. ICC/IF: NTERA-2 cl.D1 [NT2/D1] cells.
<b>General notes</b>	<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 &amp; 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 &amp; species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications &amp; species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications &amp; 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&amp;As.</p>

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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 79.99% PBS, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab228618** in the following tested applications.

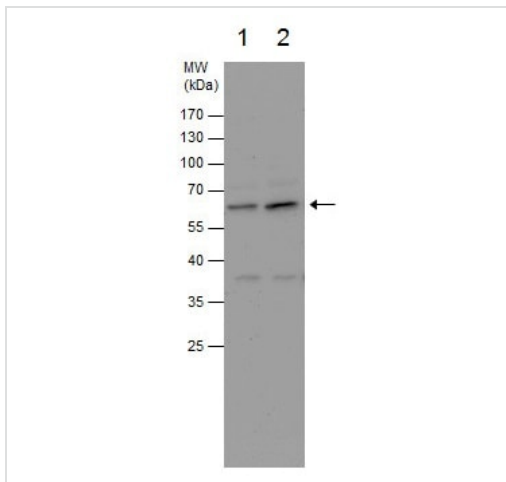
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100 - 1/1000.
WB		1/500 - 1/3000. Predicted molecular weight: 58 kDa.

## Target

<b>Relevance</b>	RGS7 inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP bound form. Activity on G(o) alpha is specifically enhanced by the RGS6/GNG5 dimer. RGS7 may play a role in synaptic vesicle exocytosis and may play an important role in the rapid regulation of neuronal excitability and the cellular responses to short lived stimulations.
<b>Cellular localization</b>	Cytoplasmic

## Images



Western blot - Anti-RGS7 antibody (ab228618)

**All lanes :** Anti-RGS7 antibody (ab228618) at 1/1000 dilution

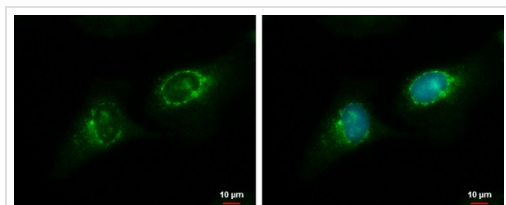
**Lane 1 :** U-87 MG (human glioblastoma-astrocytoma epithelial cell line) whole cell extract

**Lane 2 :** SK-N-SH (human neuroblastoma cell line) whole cell extract

Lysates/proteins at 30 µg per lane.

**Predicted band size:** 58 kDa

10% SDS-PAGE gel.



Immunocytochemistry/ Immunofluorescence - Anti-RGS7 antibody (ab228618)

Ice-cold methanol-fixed NTERA-2 cl.D1 [NT2/D1] (human malignant pluripotent embryonic carcinoma cell line) cells stained for RGS7 (green) using ab228618 at 1/500 dilution in ICC/IF.

Nuclear counter stain: Hoechst 33342 (blue).

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

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