




Anti-RGS1 antibody ab117077

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Overview

Product name	Anti-RGS1 antibody
Description	Goat polyclonal to RGS1
Host species	Goat
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Horse, Cow, Dog 
Immunogen	Synthetic peptide: C-NLLNDLQANSLK (with a Cysteine residue linker), corresponding to C terminal amino acids 198-209 of Human RGS1 (Q08116). <div>  Run BLAST with  Run BLAST with </div>
Positive control	Recombinant Human RGS1 protein (ab126697) can be used as a positive control in WB. Hep G2 lysate, Human Small Intestine and Human Thymus tissues
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. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 99% Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified
Clonality	Polyclonal

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab117077 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		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 24 kDa.
IHC-P		Use a concentration of 2.5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Function

Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. This protein may be involved in the regulation of B-cell activation and proliferation.

Tissue specificity

B-cell specific. Expression is relatively low in B-cells and chronic lymphocytic leukemia B-cells; however, in other types of malignant B-cell such as non-Hodgkin lymphoma and hairy cell leukemia, expression is constitutively high.

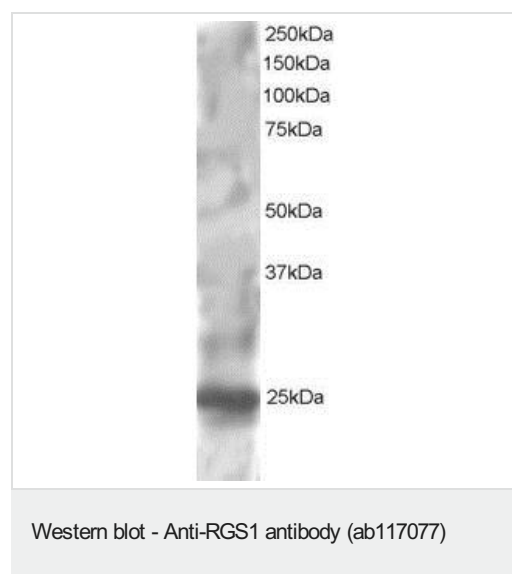
Sequence similarities

Contains 1 RGS domain.

Post-translational modifications

Could be phosphorylated. Might be functionally regulated by protein kinase(s).

Images

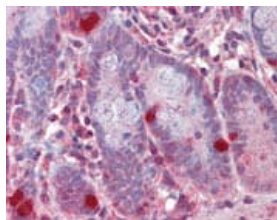


Anti-RGS1 antibody (ab117077) at 1 µg/ml + Hep G2 (Human liver hepatocellular carcinoma cell line) whole cell lysate at 30 µg

Developed using the ECL technique.

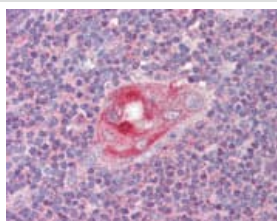
Predicted band size: 24 kDa

Primary incubation 1 hour at room temperature. Detected by chemiluminescence. RIPA buffer used.



Human Small Intestine (formalin-fixed, paraffin-embedded) stained with ab117077 followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RGS1 antibody (ab117077)



Human Thymus (formalin-fixed, paraffin-embedded) stained with ab117077 followed by biotinylated anti-goat IgG secondary antibody, alkaline phosphatase-streptavidin and chromogen.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-RGS1 antibody (ab117077)

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

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