



Datasheet for ABIN2774606
anti-RGS11 antibody (Middle Region)



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1 Image

Overview

Quantity:	100 µL
Target:	RGS11
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Cow, Dog, Guinea Pig, Horse, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RGS11
Sequence:	LRQPHRYVLD DAQLHIYMLM KKDSYPRFLK SDMYKALLAE AGIPLMKRR
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 83%
Characteristics:	This is a rabbit polyclonal antibody against RGS11. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RGS11
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Target Details

Alternative Name: RGS11 ([RGS11 Products](#))

Background: RGS11 belongs to the RGS (regulator of G protein signaling) family. Members of the RGS family act as GTPase-activating proteins on the alpha subunits of heterotrimeric, signal-transducing G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. The protein encoded by this gene belongs to the RGS (regulator of G protein signaling) family. Members of the RGS family act as GTPase-activating proteins on the alpha subunits of heterotrimeric, signal-transducing G proteins. This protein inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits, thereby driving them into their inactive GDP-bound form. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified.

Alias Symbols: RS11

Protein Interaction Partner: GNB5, ADRB2, SNTA1, HSP90AA1,

Protein Size: 446

Molecular Weight: 51 kDa

Gene ID: 8786

NCBI Accession: [NM_003834](#), [NP_003825](#)

UniProt: [Q4TT72](#)

Pathways: [Myometrial Relaxation and Contraction, Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Application Notes: Optimal working dilutions should be determined experimentally by the investigator.

Comment: Antigen size: 446 AA

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-RGS11 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: 293T cell lysate