

Datasheet for ABIN2792213  
**anti-RGS10 antibody (Middle Region)**[Go to Product page](#)

## 3 Images

## Overview

|                      |   |
|----------------------|---|
| Quantity:            | 100 µL  |
| Target:              | RGS10   |
| Binding Specificity: | Middle Region                                   |
| Reactivity:          | Human, Rat, Cow, Dog, Guinea Pig, Horse, Rabbit |
| Host:                | Rabbit  |
| Clonality:           | Polyclonal                                      |
| Conjugate:           | This RGS10 antibody is un-conjugated            |
| Application:         | Western Blotting (WB), Flow Cytometry (FACS)    |

## Product Details

|                       |   |
|-----------------------|---|
| Immunogen:            | The immunogen is a synthetic peptide directed towards the middle region of human RGS10  |
| Sequence:             | DQIFNLMKYD SYSRFLKSDL FLKHKRTEEE EEDLPDAQTA AKRASRIYNT  |
| Predicted Reactivity: | Cow: 81%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Rabbit: 90%, Rat: 90%  |
| Characteristics:      | This is a rabbit polyclonal antibody against RGS10. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification:         | Affinity Purified   |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | RGS10                                    |
| Alternative Name: | RGS10 ( <a href="#">RGS10 Products</a> ) |

## Target Details

|                   |   |
|-------------------|---|
| Background:       | <p>RGS10 inhibits signal transduction by increasing the GTPASE activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. It associates specifically with the activated forms of the G protein subunits G(I)-ALPHA and G(Z)- alpha but fails to interact with the structurally and functionally distinct G(S)-alpha subunit. Activity on G(Z)-alpha is inhibited by palmitoylation of the G-protein.</p> <p>Protein Interaction Partner: UBC, ADRB2, APP, PRKACA, GNAI3, GNAO1, GNAI1, GNAZ, GNRHR, CALM1, ACP6, SAP18, EIF6,</p> <p>Protein Size: 181</p> |
| Molecular Weight: | 21 kDa  |
| Gene ID:          | 6001  |
| NCBI Accession:   | <a href="#">NM_001005339</a> , <a href="#">NP_001005339</a>   |
| UniProt:          | <a href="#">Q96GN0</a>  |
| Pathways:         | <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment:           | Antigen size: 181 AA   |
| Restrictions:      | For Research Use only  |

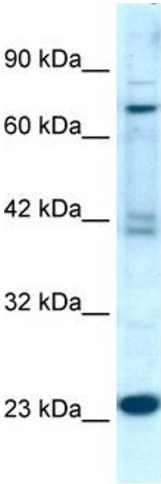
## Handling

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

Handling

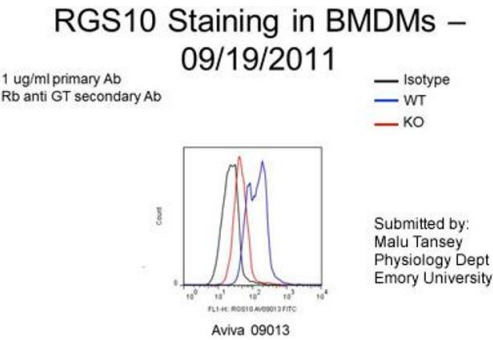
Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



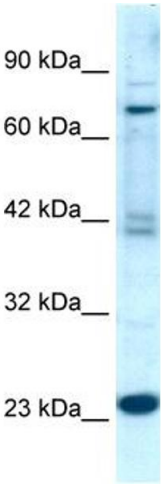
**Western Blotting**

**Image 1.** WB Suggested Anti-RGS10 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate There is BioGPS gene expression data showing that RGS10 is expressed in Jurkat



**Image 2.**

Gated on CD45+CD11b+CD14+  
**RGS10 (AVARP09013\_P050)**  
FACS  
Sample: Bone marrow derived monocytes from mice BV2 cell



**Western Blotting**

**Image 3.** WB Suggested Anti-RGS10 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:1562500 Positive Control: Jurkat cell lysate There is BioGPS gene expression data showing that RGS10 is expressed in Jurkat