

Datasheet for ABIN783996  
**anti-RGS10 antibody (AA 1-160)**

## 2 Images

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## Overview

|                      |  |
|----------------------|--|
| Quantity:            | 0.1 mL   |
| Target:              | RGS10  |
| Binding Specificity: | AA 1-160   |
| Reactivity:          | Human, Rat, Mouse, Cow   |
| Host:                | Rabbit   |
| Clonality:           | Polyclonal   |
| Conjugate:           | This RGS10 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

## Product Details

|                             |   |
|-----------------------------|---|
| Immunogen:                  | Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 160 of Human RGS10 |
| Specificity:                | Recognizes RGS10  |
| Cross-Reactivity (Details): | Species reactivity (expected):Rat (94 %), Mouse (93 %), Cow (96 %)Species reactivity (tested):Human.                  |
| Purification:               | Antigen-Affinity Chromatography.  |

## Target Details

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

## Target Details

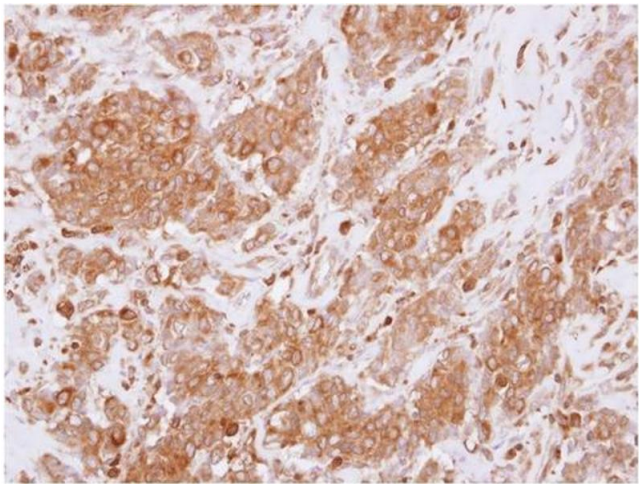
|                 |   |
|-----------------|---|
| Background:     | Regulator of G protein signaling (RGS) family members are regulatory molecules that act as GTPase activating proteins (GAPs) for G alpha subunits of heterotrimeric G proteins. RGS proteins are able to deactivate G protein subunits of the Gi alpha, Go alpha and Gq alpha subtypes. They drive G proteins into their inactive GDP-bound forms. Regulator of G protein signaling 10 belongs to this family. All RGS proteins share a conserved 120-amino acid sequence termed the RGS domain. This protein associates specifically with the activated forms of the two related G-protein subunits, G-alpha <sub>i3</sub> and G-alpha <sub>12</sub> but fails to interact with the structurally and functionally distinct G-alpha subunits. Regulator of G protein signaling 10 protein is localized in the nucleus. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]Synonyms: Regulator of G-protein signaling 10 |
| Gene ID:        | 6001  |
| NCBI Accession: | <a href="#">NP_001005339</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 dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

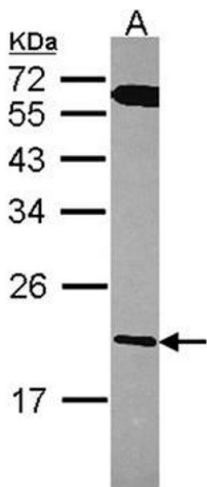
## Handling

|                    |  |
|--------------------|--|
| Format:            | Liquid   |
| Concentration:     | 0.7 mg/mL  |
| Buffer:            | 0.1 M Tris, 0.1 M Glycine, 20 % Glycerol ( pH 7) containing 0.01 % Thimerosal as a preservative.                                   |
| Preservative:      | Thimerosal (Merthiolate)   |
| Precaution of Use: | This product contains thimerosal (merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice:   | Avoid repeated freezing and thawing.   |
| Storage:           | -20 °C   |
| Storage Comment:   | Store the antibody undiluted (in aliquots) at -20 °C.  |



**Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** AP31125PU-N RGS10 antibody staining of Paraffin-Embedded Breast Carcinoma at 1/250 dilution.



**Western Blotting**

**Image 2.** AP31125PU-N RGS10 antibody staining of A431 (Lane A) whole cell lysate (30 µg) at 1/1000 dilution, 12% SDS PAGE.