

Datasheet for ABIN1449995

**anti-RGS22 antibody (N-Term)**[Go to Product page](#)**1** Image

## Overview

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Quantity:            | 0.1 mg                                                                   |
| Target:              | RGS22                                                                    |
| Binding Specificity: | N-Term                                                                   |
| Reactivity:          | Human, Mouse, Rat                                                        |
| Host:                | Rabbit                                                                   |
| Clonality:           | Polyclonal                                                               |
| Conjugate:           | This RGS22 antibody is un-conjugated                                     |
| Application:         | Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA) |

## Product Details

|               |                                                                          |
|---------------|--------------------------------------------------------------------------|
| Immunogen:    | A 19 amino acid synthetic peptide near the amino terminus of Human RGS22 |
| Isotype:      | IgG                                                                      |
| Purification: | Affinity chromatography purified via peptide column                      |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | RGS22                                                                                                                                                                                                                                                                                                                                                                              |
| Alternative Name: | RGS22 ( <a href="#">RGS22 Products</a> )                                                                                                                                                                                                                                                                                                                                           |
| Background:       | Regulator of G-protein signaling (RGS) proteins contain an 120 amino acid conserved domain, termed the RGS domain, that acts as a GTPase-activating protein that acts to reduce the signal transmitted by the receptor-activated G-alpha subunit (1,2). RGS22 is a recently identified member of this family that localizes to the testis and can interact with guanine nucleotide |

## Target Details

binding proteins alpha 11, 12, and 13 (GNA11, GNA12, and GNA13). While RGS22 has been postulated to play a role in spermiogenesis in the testis, it is also expressed in several cancer cell lines with an epithelial origin and associated with cancer metastasis. Its overexpression in a highly metastatic cancer causes a decrease in cell migration and a reduction of the invasive potential of the cells, suggesting that RGS22 may be a potential prognostic biomarker for metastasis. Synonyms: Regulator of G-protein signaling 22

Molecular Weight: 139 kDa

Gene ID: 26166

NCBI Accession: [NP\\_056483](#)

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

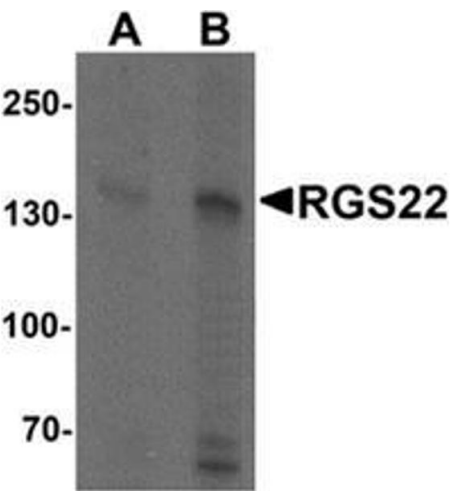
Preservative: Sodium azide

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 freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

**Image 1.** Western blot analysis of RGS22 in Jurkat cell lysate with RGS22 Antibody at (A) 1 and (B) 2 µg/ml.