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## Datasheet for ABIN6991738 **anti-RGS22 antibody (N-Term)**

### Overview

Quantity:	0.1 mg
Target:	RGS22
Binding Specificity:	AA 870-920, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS22 antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunofluorescence (IF)

### Product Details

Immunogen:	RGS22 antibody was raised against a 19 amino acid synthetic peptide near the amino terminus of human RGS22. The immunogen is located within amino acids 870 - 920 of RGS22.
Isotype:	IgG
Specificity:	At least four isoforms of RGS22 are known to exist, this antibody will detect the three longest isoforms. RGS22 antibody is predicted to not cross-react with other RGS proteins
Purification:	RGS22 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	RGS22
Alternative Name:	RGS22 ( <a href="#">RGS22 Products</a> )

## Target Details

Background:	RGS22 Antibody: 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. RGS22 is a recently identified member of this family that localizes to the testis and can interact with guanine nucleotide 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.
Molecular Weight:	139 kDa
Gene ID:	26166
NCBI Accession:	<a href="#">NP_056483</a>
UniProt:	<a href="#">Q8NE09</a>
Pathways:	<a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>

## Application Details

Application Notes:	RGS22 antibody can be used for detection of RGS22 by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.  Antibody validated: Western Blot in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	RGS22 Antibody is supplied in PBS containing 0.02 % sodium azide.
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

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Storage:	-20 °C, 4 °C
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Storage Comment:	RGS22 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
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