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Datasheet for ABIN2792216  
**anti-RGS5 antibody (Middle Region)**

2 Images

Overview

Quantity:	100 µL
Target:	RGS5
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Pig, Cow, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RGS5 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human RGS5
Sequence:	PDSVGDLVIP YNEKPEKPAK TQKTSLDEAL QWRDSLKLL QNNYGLASFK S
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 92%, Human: 100%, Mouse: 84%, Pig: 76%, Rat: 84%
Characteristics:	This is a rabbit polyclonal antibody against RGS5. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	RGS5
Alternative Name:	RGS5 ( <a href="#">RGS5 Products</a> )

## Target Details

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**Background:** The regulator of G protein signaling (RGS) proteins are signal transduction molecules that have structural homology to SST2 of *Saccharomyces cerevisiae* and EGL-10 of *Caenorhabditis elegans*. Multiple genes homologous to SST2 are present in higher eukaryotes. RGS proteins are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. The regulator of G protein signaling (RGS) proteins are signal transduction molecules that have structural homology to SST2 of *Saccharomyces cerevisiae* and EGL-10 of *Caenorhabditis elegans*. Multiple genes homologous to SST2 are present in higher eukaryotes. RGS proteins are involved in the regulation of heterotrimeric G proteins by acting as GTPase activators. [supplied by OMIM]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ\_SPAN PRIMARY\_IDENTIFIER PRIMARY\_SPAN COMP 1-663 AU130764.1 1-663 664-2587 BX537427.1 499-2422 2588-3235 BU187973.1 34-681 3236-3746 AL600981.1 90-600 3747-4143 AA486366.1 76-472 4144-4358 AA974387.1 113-327 c 4359-4664 BX537427.1 4194-4499 4665-5573 AF176919.1 724-1632 5574-5848 BX537427.1 5409-5683

Alias Symbols: MST092, MST106, MST129, MSTP032, MSTP092, MSTP106, MSTP129

Protein Interaction Partner: ADRB2, APP, GNAQ, GNAI3, GNAI2, GNAO1, GNAI1,

Protein Size: 181

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Molecular Weight: 21 kDa

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Gene ID: 8490

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NCBI Accession: [NM\\_003617](#), [NP\\_003608](#)

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UniProt: [O15539](#)

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

## Application Details

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

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Comment: Antigen size: 181 AA

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Restrictions: For Research Use only

## Handling

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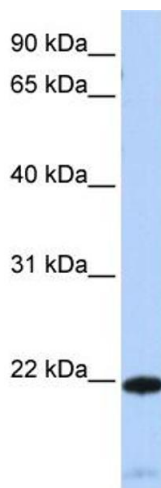
Format: Liquid

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## Handling

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
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.

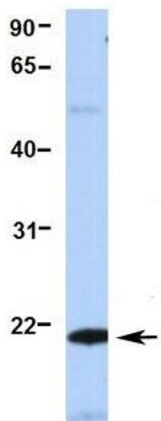
## Images



### Western Blotting

**Image 1.** WB Suggested Anti-RGS5 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human heart

### RGS5



### Western Blotting

**Image 2.** Hum. Fetal Heart