

Datasheet for ABIN680807

**anti-RGS5 antibody (AA 81-181) (Cy5)**[Go to Product page](#)

## Overview

|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Quantity:            | 100 µL                                                                                                  |
| Target:              | RGS5                                                                                                    |
| Binding Specificity: | AA 81-181                                                                                               |
| Reactivity:          | Mouse, Rat                                                                                              |
| Host:                | Rabbit                                                                                                  |
| Clonality:           | Polyclonal                                                                                              |
| Conjugate:           | This RGS5 antibody is conjugated to Cy5                                                                 |
| Application:         | Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)) |

## Product Details

|                       |                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen:            | KLH conjugated synthetic peptide derived from mouse RGS5                                                                                                                   |
| Isotype:              | IgG                                                                                                                                                                        |
| Specificity:          | This antibody may have a minor secondary cross-reactivity to the related proteins RGS3 and RGS4 based on a 67 % and 73 % non-sequential sequence similarity, respectively. |
| Cross-Reactivity:     | Mouse, Rat                                                                                                                                                                 |
| Predicted Reactivity: | Human,Dog,Pig,Rabbit                                                                                                                                                       |
| Purification:         | Purified by Protein A.                                                                                                                                                     |

## Target Details

|                   |                                                                                                                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | RGS5                                                                                                                                                                                                                                                                                            |
| Alternative Name: | RGS5 ( <a href="#">RGS5 Products</a> )                                                                                                                                                                                                                                                          |
| Background:       | Synonyms: 1110070A02Rik, Regulator of G-protein signaling 5, RGS5<br>Background: Inhibits signal transduction by increasing the GTPase activity of G protein alpha subunits thereby driving them into their inactive GDP-bound form. Binds to G(i)-alpha and G(o)-alpha, but not to G(s)-alpha. |
| Gene ID:          | 19737                                                                                                                                                                                                                                                                                           |
| UniProt:          | <a href="#">O08850</a>                                                                                                                                                                                                                                                                          |
| Pathways:         | <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a>                                                                                                                                                              |

## Application Details

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Application Notes: | IF(IHC-P) 1:50-200<br>IF(IHC-F) 1:50-200<br>IF(ICC) 1:50-200 |
| Restrictions:      | For Research Use only                                        |

## Handling

|                    |                                                                                                                    |
|--------------------|--------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                             |
| Concentration:     | 1 µg/µL                                                                                                            |
| Buffer:            | Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.        |
| Preservative:      | ProClin                                                                                                            |
| Precaution of Use: | This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only. |
| Storage:           | -20 °C                                                                                                             |
| Storage Comment:   | Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.                                  |
| Expiry Date:       | 12 months                                                                                                          |