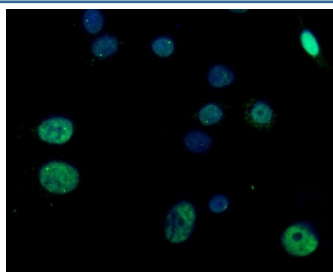


## RGS12 Antibody / Regulator of G-protein signaling 12 (RQ7103)

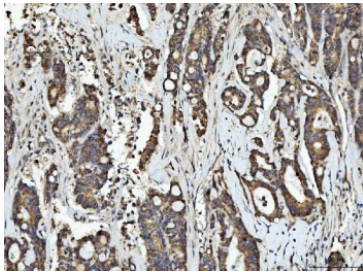
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ7103      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

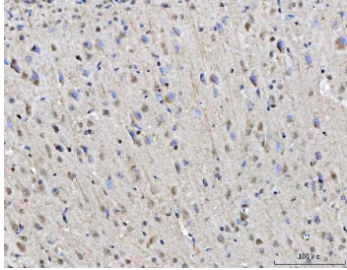
|                           |                                                                                                                                   |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                 |
| <b>Species Reactivity</b> | Human, Rat                                                                                                                        |
| <b>Format</b>             | Antigen affinity purified                                                                                                         |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                                                        |
| <b>Isotype</b>            | Rabbit IgG                                                                                                                        |
| <b>Purity</b>             | Antigen affinity purified                                                                                                         |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                                                                                         |
| <b>UniProt</b>            | O14924                                                                                                                            |
| <b>Localization</b>       | Nuclear, cytoplasmic                                                                                                              |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml<br>Immunofluorescence : 5ug/ml<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This RGS12 antibody is available for research use only.                                                                           |



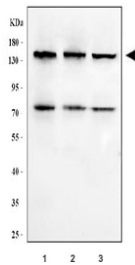
Immunofluorescent staining of FFPE human A549 cells with RGS12 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



IHC staining of FFPE human rectum adenocarcinoma tissue with RGS12 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with RGS12 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of 1) human RT4, 2) human SH-SY5Y and 3) human HepG2 cell lysate with RGS12 antibody. Predicted molecular weight ~156 kDa with multiple isoforms between 55 kDa and 156 kDa.

## Description

Regulator of G-protein signaling 12 is a protein that in humans is encoded by the RGS12 gene. This gene encodes a member of the 'regulator of G protein signaling' (RGS) gene family. The encoded protein may function as a guanosine triphosphatase (GTPase)-activating protein as well as a transcriptional repressor. This protein may play a role in tumorigenesis. Multiple transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their biological nature has not been determined.

## Application Notes

Optimal dilution of the RGS12 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids Q746-H995) was used as the immunogen for the RGS12 antibody.

## Storage

After reconstitution, the RGS12 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

