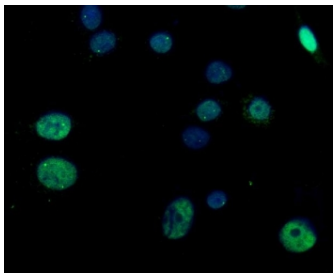
RGS12 Antibody / Regulator of G-protein signaling 12 (RQ7103)

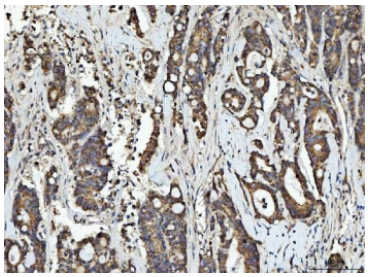
Catalog No.	Formulation	Size
RQ7103	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

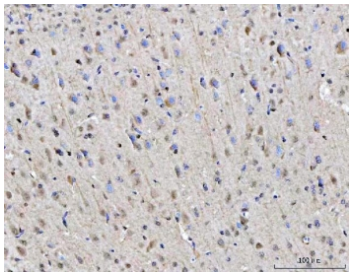
Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O14924
Localization	Nuclear, cytoplasmic
Applications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



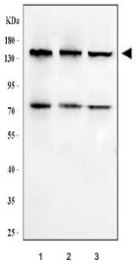
Immunofluorescent staining of FFPE human A549 cells with RGS12 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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