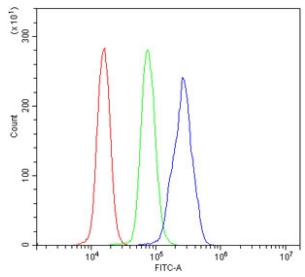
RGS18 Antibody (RQ5759)

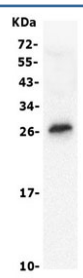
Catalog No.	Formulation	Size
RQ5759	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9NS28
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This RGS18 antibody is available for research use only.



Flow cytometry testing of human U937 cells with RGS18 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= RGS18 antibody.



Western blot testing of human K562 lysate with RGS18 antibody. Predicted molecular weight: ~28 kDa.

Description

Regulator of G-protein signaling 18 is a protein that in humans is encoded by the RGS18 gene. This gene encodes a member of the regulator of G-protein signaling family. This protein is contains a conserved, 120 amino acid motif called the RGS domain. The protein attenuates the signaling activity of G-proteins by binding to activated, GTP-bound G alpha subunits and acting as a GTPase activating protein (GAP), increasing the rate of conversion of the GTP to GDP. This hydrolysis allows the G alpha subunits to bind G beta/gamma subunit heterodimers, forming inactive G-protein heterotrimers, thereby terminating the signal. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.

Application Notes

Optimal dilution of the RGS18 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-D230) was used as the immunogen for the RGS18 antibody.

Storage

After reconstitution, the RGS18 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.