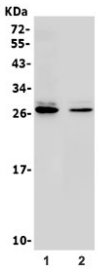
14-3-3 gamma Antibody / YWHAG (RQ5931)

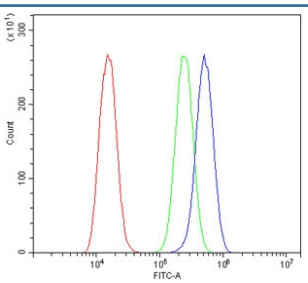
Catalog No.	Formulation	Size
RQ5931	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P61981
Applications	Western Blot : 0.5-1ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This 14-3-3 gamma antibody is available for research use only.



Western blot testing of 1) rat brain and 2) mouse brain lysate with 14-3-3 gamma antibody. Predicted molecular weight ~28 kDa.



Flow cytometry testing of human A549 cells with 14-3-3 gamma antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= 14-3-3 gamma antibody.

Description

This gene product belongs to the 14-3-3 family of proteins which mediate signal transduction by binding to phosphoserine-containing proteins. This highly conserved protein family is found in both plants and mammals, and this protein is 100% identical to the rat ortholog. It is induced by growth factors in human vascular smooth muscle cells, and is also highly expressed in skeletal and heart muscles, suggesting an important role for this protein in muscle tissue. It has been shown to interact with RAF1 and protein kinase C, proteins involved in various signal transduction pathways.

Application Notes

Optimal dilution of the 14-3-3 gamma antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Y107-A138) was used as the immunogen for the 14-3-3 gamma antibody.

Storage

After reconstitution, the 14-3-3 gamma antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.