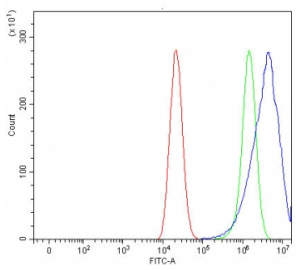
Rhotekin Antibody / RTKN (RQ7882)

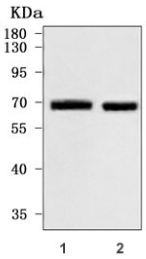
Catalog No.	Formulation	Size
RQ7882	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9BST9
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Rhotekin antibody is available for research use only.



Flow cytometry testing of human Caco-2 cells with Rhotekin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Rhotekin antibody.



Western blot testing of human 1) A431 and 2) 293T cell lysate with Rhotekin antibody. Predicted molecular weight ~63 kDa.

Description

Rhotekin is a protein that in humans is encoded by the RTKN gene. This gene encodes a scaffold protein that interacts with GTP-bound Rho proteins. Binding of this protein inhibits the GTPase activity of Rho proteins. This protein may interfere with the conversion of active, GTP-bound Rho to the inactive GDP-bound form by RhoGAP. Rho proteins regulate many important cellular processes, including cytokinesis, transcription, smooth muscle contraction, cell growth and transformation. Dysregulation of the Rho signal transduction pathway has been implicated in many forms of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

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

Immunogen

E. coli-derived recombinant human protein (amino acids R255-Q554) was used as the immunogen for the Rhotekin antibody.

Storage

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

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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