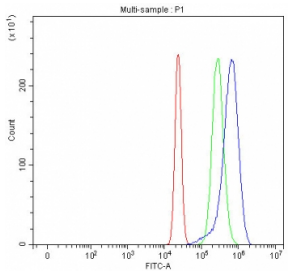
Activated CDC42 kinase 1 Antibody / ACK1 (RQ7565)

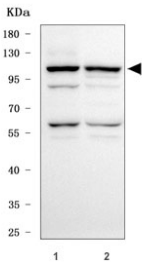
Catalog No.	Formulation	Size
RQ7565	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

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	Q07912
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Activated CDC42 kinase 1 antibody is available for research use only.



Flow cytometry testing of human U-2 OS cells with Activated CDC42 kinase 1 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Activated CDC42 kinase 1 antibody.



Western blot testing of human 1) SH-SY5Y and 2) HepG2 cell lysate with Activated CDC42 kinase 1 antibody. Predicted molecular weight ~114 kDa.

Description

Activated CDC42 kinase 1, also known as ACK1, is an enzyme that in humans is encoded by the TNK2 gene. This gene encodes a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined.

Application Notes

Optimal dilution of the Activated CDC42 kinase 1 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M491-R1038) was used as the immunogen for the Activated CDC42 kinase 1 antibody.

Storage

After reconstitution, the Activated CDC42 kinase 1 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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