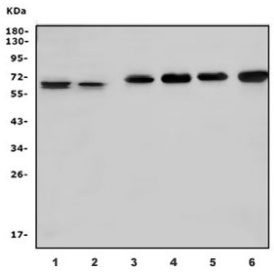
STK39 Antibody / SPAK (RQ6211)

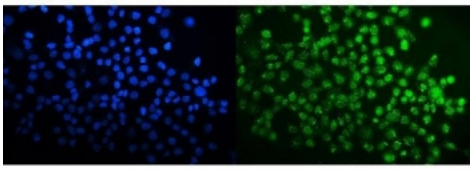
Catalog No.	Formulation	Size
RQ6211	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

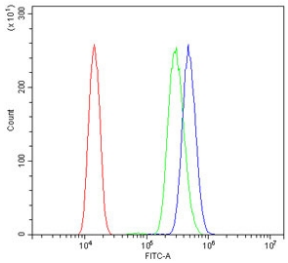
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.0125% sodium azide
UniProt	Q9UEW8
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-3ug/million cells Immunofluorescence : 5ug/ml Direct ELISA : 0.1-0.5ug/ml
Limitations	This STK39 antibody is available for research use only.



Western blot testing of 1) human Daudi, 2) human HL60, 3) rat brain, 4) rat testis, 5) mouse brain and 6) mouse testis lysate with STK39 antibody. Predicted molecular weight ~60 kDa.



Immunofluorescent staining of FFPE human A431 cells with STK39 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Flow cytometry testing of human HL60 cells with STK39 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= STK39 antibody.

Description

STE20/SPS1-related proline-alanine-rich protein kinase is an enzyme that in humans is encoded by the STK39 gene. This gene encodes a serine/threonine kinase that is thought to function in the cellular stress response pathway. The kinase is activated in response to hypotonic stress, leading to phosphorylation of several cation-chloride-coupled cotransporters. The catalytically active kinase specifically activates the p38 MAP kinase pathway, and its interaction with p38 decreases upon cellular stress, suggesting that this kinase may serve as an intermediate in the response to cellular stress.

Application Notes

Optimal dilution of the STK39 antibody should be determined by the researcher.

Immunogen

A human recombinant partial protein (amino acids Q338-S545) was used as the immunogen for the STK39 antibody.

Storage

After reconstitution, the STK39 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Copyright © NSJ Bioreagents. All rights reserved.