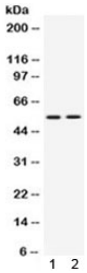
VRK1 Antibody (R32317)

Catalog No.	Formulation	Size
R32317	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q99986
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This VRK1 antibody is available for research use only.



Western blot testing of 1) rat thymus and 2) human Jurkat lysate with VRK1 antibody. Predicted molecular weight ~45 kDa, observed here at ~55 kDa.

Description

Serine/threonine-protein kinase VRK1 is an enzyme that in humans is encoded by the VRK1 gene. This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. It is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, thymus, fetal liver, and carcinomas. Its protein localizes to the nucleus and has been shown to promote the stability and nuclear accumulation of a transcriptionally active p53 molecule and, in vitro, to phosphorylate Thr18 of p53 and reduce p53 ubiquitination. This gene, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN.

Application Notes

Optimal dilution of the VRK1 antibody should be determined by the researcher.

Immunogen

Amino acids EKNKPGEIAKYMETVKLLDYTEKPLYENLRDILLQGLK of human VRK1 were used as the immunogen for the VRK1 antibody.

Storage

After reconstitution, the VRK1 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
Copyright © NSJ Bioreagents. All rights reserved.