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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-VRK1 Antibody Picoband® Fluoro594 Conjugated

Catalog Number: PB9907-Fluoro594

About VRK1

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.

Overview

Product Name	Anti-VRK1 Antibody Picoband® Fluoro594 Conjugated
Reactive Species	Human, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q99986

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human VRK1, different from the related mouse sequence by three amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro594 Excitation Wavelength: 593 nm Emission Wavelength: 618 nm

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Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

Anti-VRK1 Antibody - Fluoro594

For Research Use Only. Not for use in diagnostic procedures.