



[Go to Product page](#)

Datasheet for ABIN391605  
**anti-VRK1 antibody (AA 366-396)**

1 Image

Overview

Quantity:	400 µL
Target:	VRK1
Binding Specificity:	AA 366-396
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VRK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This VRK1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 366-396 amino acids from the Central region of human VRK1.
Clone:	RB2997
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	VRK1
Alternative Name:	VRK1 ( <a href="#">VRK1 Products</a> )
Background:	This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine

## Target Details

---

protein kinases. This gene 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.

---

Molecular Weight: 45476

---

Gene ID: 7443

---

NCBI Accession: [NP\\_003375](#)

---

UniProt: [Q99986](#)

## Application Details

---

Application Notes: WB: 1:2000

---

Restrictions: For Research Use only

## Handling

---

Format: Liquid

---

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

---

Preservative: Sodium azide

---

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

---

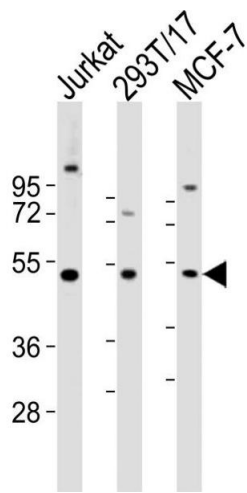
Storage: 4 °C,-20 °C

---

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

---

Expiry Date: 6 months



### Western Blotting

**Image 1.** All lanes : Anti-VRK1 antibody at 1:2000 dilution  
 Lane 1: Jurkat whole cell lysates Lane 2: 293T/17 whole cell lysates Lane 3: MCF-7 whole cell lysates  
 Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 45 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.