

Datasheet for ABIN3044560  
**anti-VRK1 antibody (C-Term)**



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## Overview

Quantity:	100 µg
Target:	VRK1
Binding Specificity:	AA 292-329, C-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VRK1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase VRK1(VRK1) detection. Tested with WB in Human,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human VRK1 (292-329aa EKNKPGEIAKYMETVKLLDYTEKPLYENLRDILLQGLK), different from the related mouse sequence by three amino acids.
Sequence:	EKNKPGEIAK YMETVKLLDY TEKPLYENLR DILLQGLK
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase VRK1(VRK1) detection. Tested with WB in Human,Rat. Gene Name: vaccinia related kinase 1

## Product Details

Protein Name: Serine/threonine-protein kinase VRK1

Purification: Immunogen affinity purified.

## Target Details

Target: VRK1

Alternative Name: VRK1 ([VRK1 Products](#))

Background: 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.

Synonyms: MGC117401 antibody|MGC138280 antibody|MGC142070 antibody|PCH1 antibody|PCH1A antibody|Serine/threonine protein kinase VRK1 antibody| Serine/threonine-protein kinase VRK1 antibody|Vaccinia related kinase 1 antibody|Vaccinia virus B1R related kinase 1 antibody| Vaccinia-related kinase 1 antibody|VRK1 antibody|VRK1\_HUMAN antibody

Gene ID: 7443

UniProt: [Q99986](#)

## Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat  
Notes: Tested Species: Species with positive results.  
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month.  It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

**Image 1.** Western blot analysis of VRK1 expression in rat thymus extract (lane 1) and JURKAT whole cell lysates (lane 2). VRK1 at 55KD was detected using rabbit anti- VRK1 Antigen Affinity purified polyclonal antibody at0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method

Western Blotting

**Image 2.** Western blot analysis of VRK1 expression in rat thymus extract ( Lane 1) and JURKAT whole cell lysates ( Lane 2). VRK1 at 55KD was detected using rabbit anti- VRK1 Antigen Affinity purified polyclonal antibody (Catalog # ) at0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).