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anti-VRK1 antibody (C-Term)

Images



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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	

	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 o	
	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	

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Lyophilized

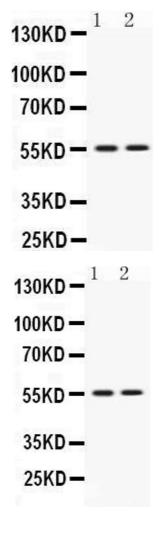
Handling

Format:

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 at 0.5 μ g/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 #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).