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### Datasheet for ABIN7169221

# anti-VRK2 antibody (AA 317-472) (HRP)

## Overview

Quantity:	100 μg
Target:	VRK2
Binding Specificity:	AA 317-472
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VRK2 antibody is conjugated to HRP
Application:	ELISA

#### **Product Details**

Immunogen:	Recombinant Human Serine/threonine-protein kinase VRK2 protein (317-472AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

### Target Details

Target:	VRK2
Alternative Name:	VRK2 (VRK2 Products)
Background:	Background: Serine/threonine kinase that regulates several signal transduction pathways.
	Isoform 1 modulates the stress response to hypoxia and cytokines, such as interleukin-1 beta

(IL1B) and this is dependent on its interaction with MAPK8IP1, which assembles mitogen-activated protein kinase (MAPK) complexes. Inhibition of signal transmission mediated by the assembly of MAPK8IP1-MAPK complexes reduces JNK phosphorylation and JUN-dependent transcription. Phosphorylates \'Thr-18\' of p53/TP53, histone H3, and may also phosphorylate MAPK8IP1. Phosphorylates BANF1 and disrupts its ability to bind DNA and reduces its binding to LEM domain-containing proteins. Downregulates the transactivation of transcription induced by ERBB2, HRAS, BRAF, and MEK1. Blocks the phosphorylation of ERK in response to ERBB2 and HRAS. Can also phosphorylate the following substrates that are commonly used to establish in vitro kinase activity: casein, MBP and histone H2B, but it is not sure that this is physiologically relevant.

Aliases: 2810003005Rik antibody, Al447698 antibody, EC 2.7.11.1 antibody, Serine/threonine protein kinase VRK2 antibody, Serine/threonine-protein kinase VRK2 antibody, Vaccinia related kinase 2 antibody, Vaccinia virus B1R related kinase 2 antibody, Vaccinia-related kinase 2 antibody, VRK 2 antibody, VRK2 antibody, VRK2\_HUMAN antibody

UniProt:

Q86Y07

#### **Application Details**

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300
	Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be
	handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.