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Datasheet for ABIN7169219

anti-VRK2 antibody (AA 317-472) (Biotin)

Overview

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

Target Details

(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, A1447698 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.