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Datasheet for ABIN6266002  
**anti-VRK1 antibody (Internal Region)**

1 Image

### Overview

Quantity:	100 µL
Target:	VRK1
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VRK1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

### Product Details

Immunogen:	A synthesized peptide derived from human VRK1, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	VRK1 Antibody detects endogenous levels of total VRK1.
Predicted Reactivity:	Pig,Bovine,Sheep,Rabbit,Dog
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

### Target Details

Target:	VRK1
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## Target Details

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

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Background: Description: Serine/threonine kinase involved in Golgi disassembly during the cell cycle: following phosphorylation by PLK3 during mitosis, required to induce Golgi fragmentation. Acts by mediating phosphorylation of downstream target protein. Phosphorylates 'Thr-18' of p53/TP53 and may thereby prevent the interaction between p53/TP53 and MDM2. Phosphorylates casein and histone H3. Phosphorylates BANF1: disrupts its ability to bind DNA, reduces its binding to LEM domain-containing proteins and causes its relocalization from the nucleus to the cytoplasm. Phosphorylates ATF2 which activates its transcriptional activity.  
Gene: VRK1

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Molecular Weight: 45 kDa

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Gene ID: 7443

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UniProt: [Q99986](#)

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## Application Details

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Application Notes: WB 1:1000-3000, ELISA(peptide) 1:20000-1:40000

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1 mg/mL

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Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

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Preservative: Sodium azide

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

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Storage: -20 °C

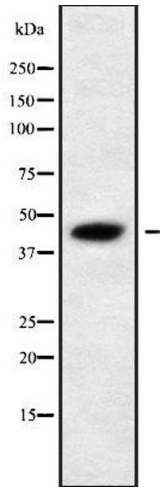
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Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

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Expiry Date: 12 months

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### Western Blotting

**Image 1.** Western blot analysis of VRK1 using NIH-3T3 whole cell lysates