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Datasheet for ABIN4915154

anti-VRK1 antibody

1 Image

Overview

Quantity:	100 µL
Target:	VRK1
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This VRK1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Purified His-tagged VRK1 protein was used to produced this monoclonal antibody.
Clone:	5C1
Isotype:	IgG1
Cross-Reactivity:	Human
Purification:	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Target Details

Target:	VRK1
Alternative Name:	VRK1 (VRK1 Products)
Background:	Synonyms: PCH1, PCH1A, Serine/threonine-protein kinase VRK1, Vaccinia-related kinase 1, VRK1

Target Details

Background: 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 ID: 7443

UniProt: [Q99986](#)

Application Details

Application Notes: WB 1:300-5000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.5 µg/µL

Buffer: 0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

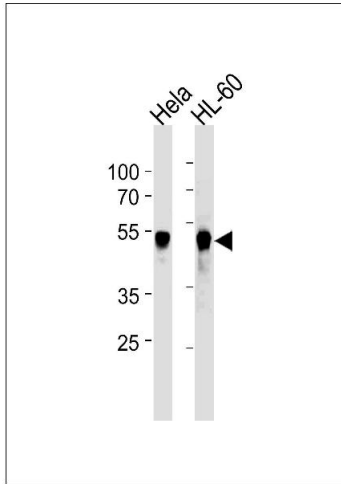
Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C for 12 months.

Expiry Date: 12 months



Western Blotting

Image 1. Lane 1: HeLa Cell lysates, Lane 2: HL-60Cell lysates, probed with VRK1 (1015CT2.1.1) Monoclonal Antibody, unconjugated (bsm-51242M) at 1:5000 overnight at 4°C followed by a conjugated secondary antibody for 60 minutes at 37°C.