

For Research Use Only

# VRK1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 85598-2-PBS



## Basic Information

Catalog Number:	85598-2-PBS	GenBank Accession Number:	BC103761	Purification Method:	Protein A purification
Concentration:	1 mg/ml	GeneID (NCBI):	7443	CloneNo.:	242978A1
Source:	Rabbit	UNIPROT ID:	Q99986		
Isotype:	IgG	Full Name:	vaccinia related kinase 1		
Immunogen Catalog Number:	AG27754	Calculated MW:	396 aa, 45 kDa		
		Observed MW:	45-50 kDa		

## Applications

**Tested Applications:**  
WB, IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Vaccinia-related kinase 1 (VRK1) is a members of the vaccinia-related kinase (VRK) family of serine/threonine kinases and are principally localized in the nucleus. VRK1 was initially described as a kinase with homology to B1R, a vaccinia virus kinase required for viral DNA replication and the early phase of infection. It has been suggested that VRK1 was overexpressed in numerous human tumors, such as lung carcinomas, hepatocellular carcinoma, breast carcinomas, head and neck squamous cell carcinoma. (PMID: 28927264, PMID: 29103766)

## Storage

**Storage:**  
Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only

For technical support and original validation data for this product please contact:

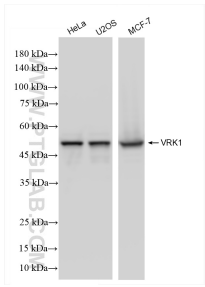
T: 4006900926

E: Proteintech-CN@ptglab.com

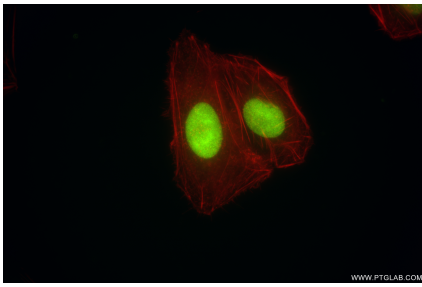
W: ptgcn.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

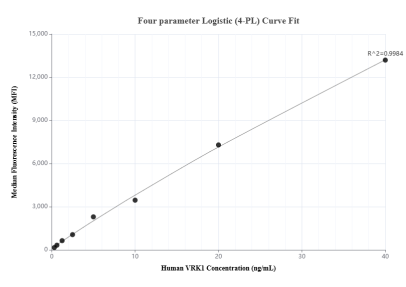
## Selected Validation Data



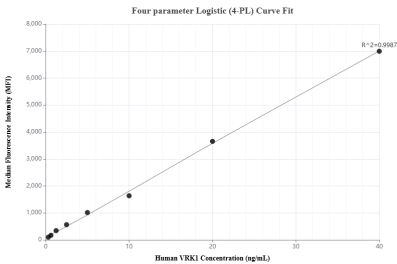
Various lysates were subjected to SDS PAGE followed by western blot with 85598-2-RR (VRK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85598-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed U2OS cells using VRK1 antibody (85598-2-RR, Clone: 242978A1) at dilution of 1:1000 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85598-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01967-1, VRK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85598-3-PBS. Detection antibody: 85598-2-PBS. Standard: Ag27754. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP01967-2, VRK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85598-1-PBS. Detection antibody: 85598-2-PBS. Standard: Ag27754. Range: 0.313-40 ng/mL.