

For Research Use Only

VRK1 Recombinant antibody

Catalog Number: 85598-2-RR



Basic Information

Catalog Number:

85598-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27754

GenBank Accession Number:

BC103761

GeneID (NCBI):

7443

UNIPROT ID:

Q99986

Full Name:

vaccinia related kinase 1

Calculated MW:

396 aa, 45 kDa

Observed MW:

45-50 kDa

Purification Method:

Protein A purification

CloneNo.:

242978A1

Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:500-1:2000

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, U2OS cells, MCF-7 cells

IF/ICC : U2OS cells,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

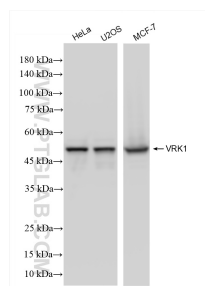
T: 4006900926

E: Proteintech-CN@ptglab.com

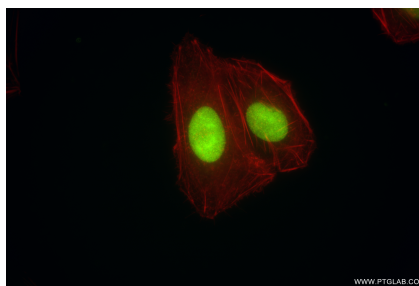
W: ptgcn.com

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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.



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).