

For Research Use Only

CoraLite® Plus 488-conjugated VRK1 Recombinant monoclonal antibody

Catalog Number: CL488-85598-2



Basic Information

Catalog Number:

CL488-85598-2

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:

IF/ICC: 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : HeLa 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

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

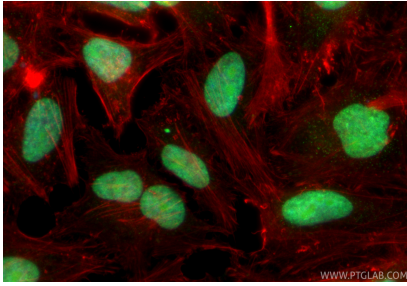
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using Coralite® Plus 488 VRK1 antibody (CL488-85598-2, Clone: 242978A1) at dilution of 1:200, CL594-Phalloidin (red).