

For Research Use Only

CoraLite® Plus 750-conjugated CDK9 Monoclonal antibody

Catalog Number: CL750-67256



Basic Information

Catalog Number:

CL750-67256

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG29178

GenBank Accession Number:

BC001968

GeneID (NCBI):

1025

UNIPROT ID:

P50750

Full Name:

cyclin-dependent kinase 9

Calculated MW:

372 aa, 43 kDa

Observed MW:

38-42 kDa, 55 kDa

Purification Method:

Protein G purification

CloneNo.:

1G6B3

Recommended Dilutions:

WB 1:500-1:2000

Excitation/Emission maxima wavelengths:

755 nm / 780 nm

Applications

Tested Applications:

WB

Species Specificity:

human, mouse, rat

Positive Controls:

WB : HeLa cells, T-47D cells, TF-1 cells

Background Information

CDK9(Cyclin-dependent kinase 9) is a member of the Cdc2-like family of kinases. Its cyclin partners are members of the family of cyclin T (T1, T2a and T2b) and cyclin K. The CDK9/cyclin T complexes appear to be involved in regulating several physiological processes. CDK9 has also been described as the kinase of the TAK complex, which is homologous to the P-TEFb complex and involved in HIV replication. In addition, CDK9 seems to have an anti-apoptotic function in monocytes, that may be related to its control over differentiation of monocytes (PMID: 12432243). CDK9 has two isoforms with the molecular mass of 42 kDa and 55 kDa, and the relative abundance of Cdk9(42kDa) and Cdk9(55kDa) changes in different cell types (PMID: 12706900, 15780980).

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, pH 7.3.

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

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 CL750-67256 (CDK9 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.