

For Research Use Only

# CDK9 Monoclonal antibody, PBS Only



Catalog Number: 67256-1-PBS

## Basic Information

Catalog Number:

67256-1-PBS

Size:

1 mg/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 A purification

CloneNo.:

1G6B3

## Applications

Tested Applications:

WB, Indirect ELISA, IF

Species Specificity:

Human, Mouse, Rat

## 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 -80°C.

Storage Buffer:

PBS Only

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

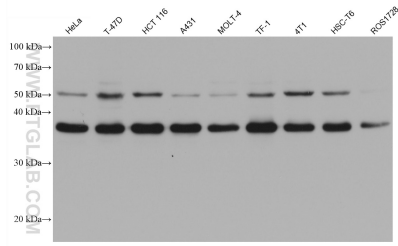
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

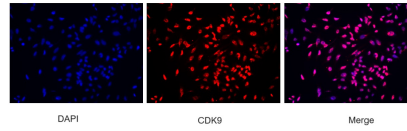
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67256-1-Ig (CDK9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67256-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK9 antibody (67256-1-Ig, Clone: 1G6B3) at dilution of 1:1000 and Multi-rAbCoraLite Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM004, 1:500) were used for detection. This data was developed using the same antibody clone with 67256-1-PBS in a different storage buffer formulation.