

For Research Use Only

# CDK9 Monoclonal antibody, PBS Only



Catalog Number: 67256-1-PBS

## Basic Information

**Catalog Number:**

67256-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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, IF, Indirect ELISA

**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

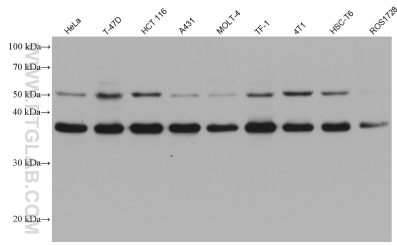
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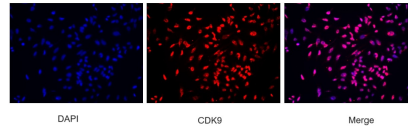
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## Selected Validation Data



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.