

For Research Use Only

# CDK9 Recombinant antibody, PBS Only

Catalog Number: 83662-7-PBS



## Basic Information

Catalog Number:

83662-7-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2318

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.:

240600D7

## Applications

Tested Applications:

IHC, IF/ICC, ELISA

Species Specificity:

human

## 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).

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

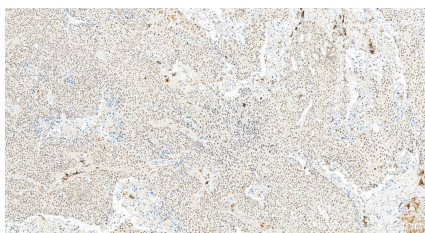
T: 4006900926

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

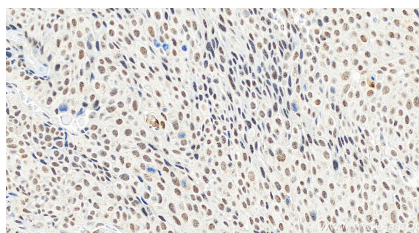
W: [ptgcn.com](http://ptgcn.com)

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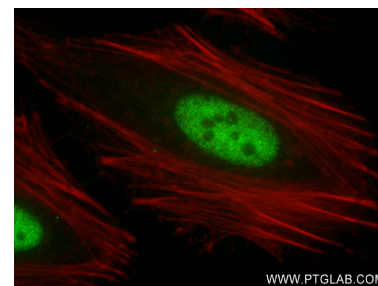
## Selected Validation Data



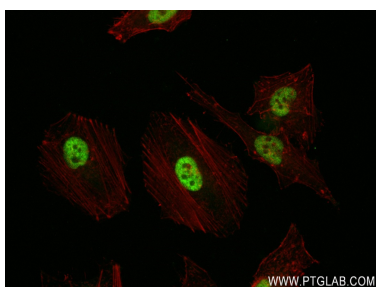
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 83662-7-RR (CDK9 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 83662-7-PBS in a different storage buffer formulation.



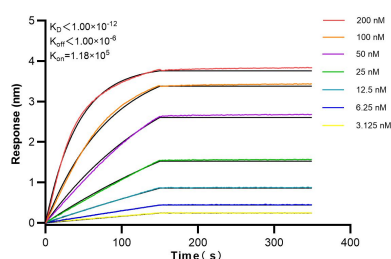
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Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CDK9 antibody (83662-7-RR, Clone: 240600D7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 83662-7-PBS in a different storage buffer formulation.



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Biolayer interferometry (BLI) kinetic assays of 83662-7-RR against Human CDK9 were performed. The affinity constant is below 1 pM.