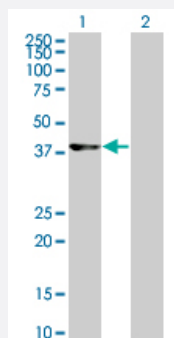


CDK9 monoclonal antibody (M07), clone 2D7

Catalog # H00001025-M07

Size 100 ug

Applications

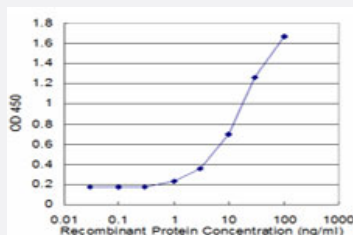


Western Blot (Transfected lysate)

Western Blot analysis of CDK9 expression in transfected 293T cell line by CDK9 monoclonal antibody (M07), clone 2D7.

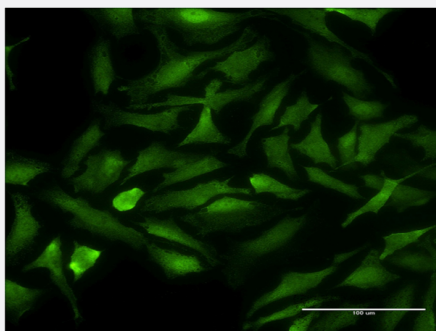
Lane 1: CDK9 transfected lysate(42.778 KDa).

Lane 2: Non-transfected lysate.



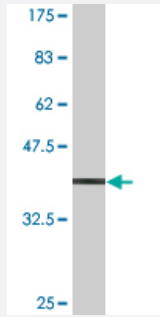
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDK9 is approximately 1ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CDK9 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.96 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CDK9.
Immunogen	CDK9 (AAH01968, 271 a.a. ~ 372 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QKRKVKDRLKAYVRDPYALDLIDKLLVLDPAQRIDSDDALNHDFFWSDPMPSDLKGMLSTHLTS MFEYLAPPRRKGSQITQQSTNQSRNPATTNQTEFERVF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100); Rat (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.96 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

● Western Blot (Transfected lysate)

Western Blot analysis of CDK9 expression in transfected 293T cell line by CDK9 monoclonal antibody (M07), clone 2D7.

Lane 1: CDK9 transfected lysate(42.778 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

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- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDK9 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CDK9 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CDK9

Entrez GeneID [1025](#)

GeneBank Accession# [BC001968](#)

Protein Accession# [AAH01968](#)

Gene Name CDK9

Gene Alias C-2k, CDC2L4, CTK1, PITALRE, TAK

Gene Description cyclin-dependent kinase 9

Omim ID [603251](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *S. cerevisiae* cdc28, and *S. pombe* cdc2, and known as important cell cycle regulators. This kinase was found to be a component of the multiprotein complex TAK/P-TEFb, which is an elongation factor for RNA polymerase II-directed transcription and functions by phosphorylating the C-terminal domain of the largest subunit of RNA polymerase II. This protein forms a complex with and is regulated by its regulatory subunit cyclin T or cyclin K. HIV-1 Tat protein was found to interact with this protein and cyclin T, which suggested a possible involvement of this protein in AIDS. [provided by RefSeq]

Other Designations

CDC2-related kinase|OTTHUMP00000022198|cell division protein kinase 9|serine/threonine protein kinase PITALRE