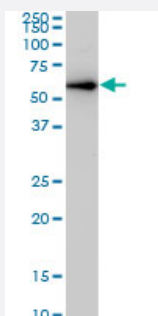


CDK8 monoclonal antibody (M03), clone 5H4

Catalog # H00001024-M03

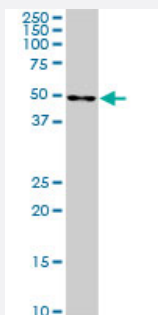
Size 100 ug

Applications



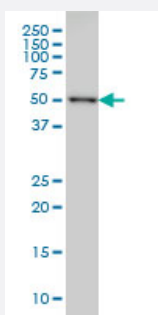
Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in Jurkat (Cat # L017V1).



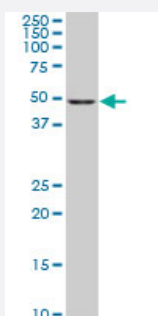
Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in Raw 264.7 (Cat # L024V1).



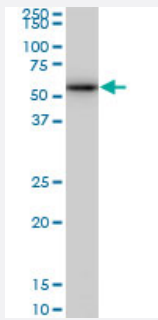
Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4 Western Blot analysis of CDK8 expression in Hela S3 NE (Cat # L013V3).



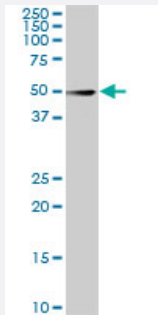
Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in PC-12 (Cat # L012V1).



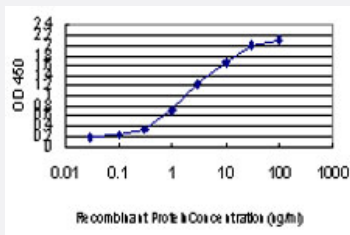
Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in K-562 (Cat # L009V1).



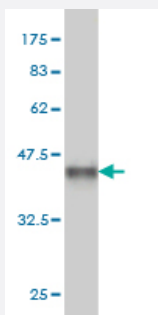
Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in NIH/3T3 (Cat # L018V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDK8 is approximately 0.03ng/ml as a capture antibody.



Western Blot detection against Immunogen (35.53 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CDK8.

Immunogen

CDK8 (NP_001251, 375 a.a. ~ 464 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence	QQQGNHTNGTGHPGNQDSSHTQGPPLKKVRVVPPTTTSGGLIMTSDYQRSNPAAAYPNPGPST SQPQSSMGYSATSQQPPQYSHQTHRY
Host	Mouse
Reactivity	Human, Mouse, Rat
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.53 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 (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in Jurkat (Cat # L017V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in Raw 264.7 (Cat # L024V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4 Western Blot analysis of CDK8 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in PC-12 (Cat # L012V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

CDK8 monoclonal antibody (M03), clone 5H4. Western Blot analysis of CDK8 expression in NIH/3T3 (Cat # L018V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CDK8 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CDK8

Entrez GeneID [1024](#)

GeneBank Accession# [NM_001260](#)

Protein Accession# [NP_001251](#)

Gene Name CDK8

Gene Alias K35, MGC126074, MGC126075

Gene Description cyclin-dependent kinase 8

Omim ID [603184](#)

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 *Saccharomyces cerevisiae* cdc28, and *Schizosaccharomyces pombe* cdc2, and are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit cyclin C are components of the RNA polymerase II holoenzyme complex, which phosphorylates the carboxy-terminal domain (CTD) of the largest subunit of RNA polymerase II. This kinase has also been shown to regulate transcription by targeting the CDK7/cyclin H subunits of the general transcription initiation factor IIH (TFIIH), thus providing a link between the 'Mediator-like' protein complexes and the basal transcription machinery. [provided by RefSeq

Other Designations CDK8 protein kinase|OTTHUMP00000018158|cell division protein kinase 8|protein kinase K35