



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

CDK7 & MCM7 Protein Protein Interaction Antibody Pair

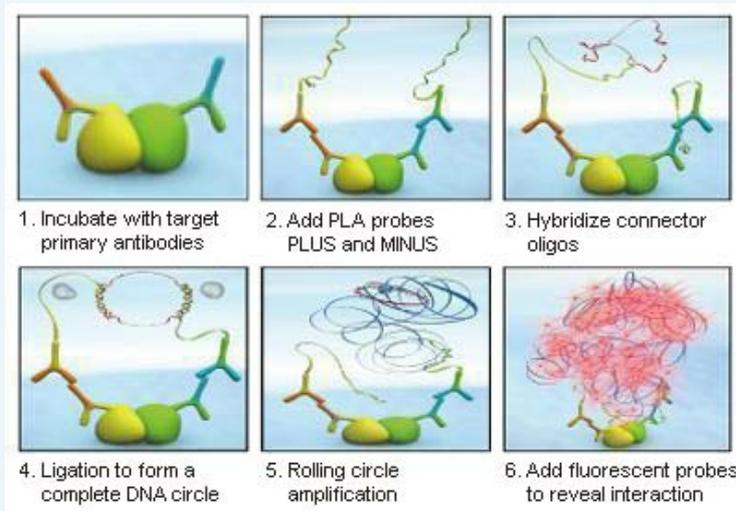
Catalog # : DI0047

規格 : [1 Set]

List All

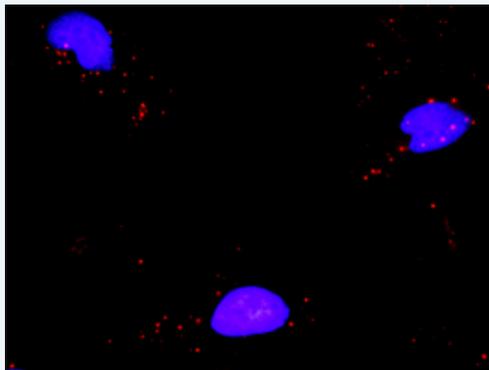
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CDK7 protein, and the other against the MCM7 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



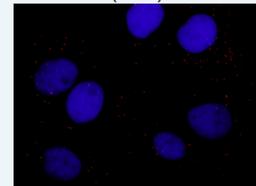
Representative image of Proximity Ligation Assay of protein-protein interactions between CDK7 and MCM7. HeLa cells were stained with anti-CDK7 rabbit purified polyclonal antibody 1:1200 and anti-MCM7 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex. The images were analyzed using an optimized freeware ([BlobFinder](#)) download from The Centre for Image Analysis at Uppsala University.

Supplied Product: Antibody pair set content:
 1. CDK7 rabbit purified polyclonal antibody (20 ug)
 2. MCM7 mouse monoclonal antibody (40 ug)
 *Reagents are sufficient for at least 30-50 assays using recommended protocols.

Storage Instruction: Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -

Application Image

In situ Proximity Ligation Assay (Cell)



[enlarge](#)

20°C storage immediately after use.

MSDS:

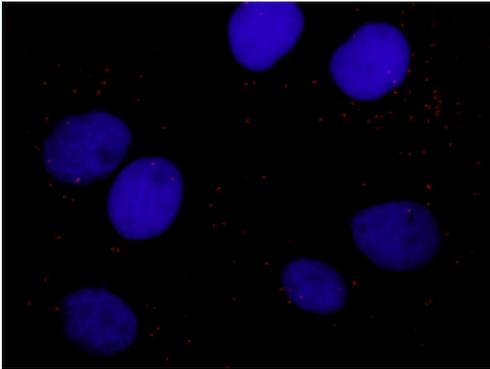
 [Download](#)

Publication Reference

1. [An analysis of protein-protein interactions in cross-talk pathways reveals CRKL as a novel prognostic marker in hepatocellular carcinoma.](#)
Liu CH, Chen TC, Chau GY, Jan YH, Chen CH, Hsu CN, Lin KT, Juang YL, Lu PJ, Cheng HC, Chen MH, Chang CF, Ting YS, Kao CY, Hsiao M, Huang CY. Mol Cell Proteomics. 2013 Feb 8. [Epub ahead of print]

Applications

In situ Proximity Ligation Assay (Cell)



Representative image of Proximity Ligation Assay of protein-protein interactions between CDK7 and MCM7. Huh7 cells were stained with anti-CDK7 rabbit purified polyclonal antibody 1:1200 and anti-MCM7 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

[CDK7](#) [MCM7](#)

Gene Information

Entrez GeneID: [1022](#)

Gene Name: CDK7

Gene Alias: CAK1,CDKN7,MO15,STK1,p39MO15

Gene Description: cyclin-dependent kinase 7

Omim ID: [601955](#)

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 protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIIH, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle. [provided by RefSeq]

Other Designations: 39 KDa protein kinase,Cdk-activating kinase,cell division protein kinase 7,cyclin-dependent kinase 7 (MO15 homolog, *Xenopus laevis*, cdk-activating kinase),homolog of *Xenopus* MO15 Cdk-activating kinase,kinase subunit of CAK,serine/threonine kinase *stk1*,ser

Gene Information

Entrez GeneID: [4176](#)

Gene Name: MCM7

Gene Alias: CDABP0042,CDC47,MCM2,P1.1-MCM3,P1CDC47,P85MCM,PNAS-146

Gene Description: minichromosome maintenance complex component 7

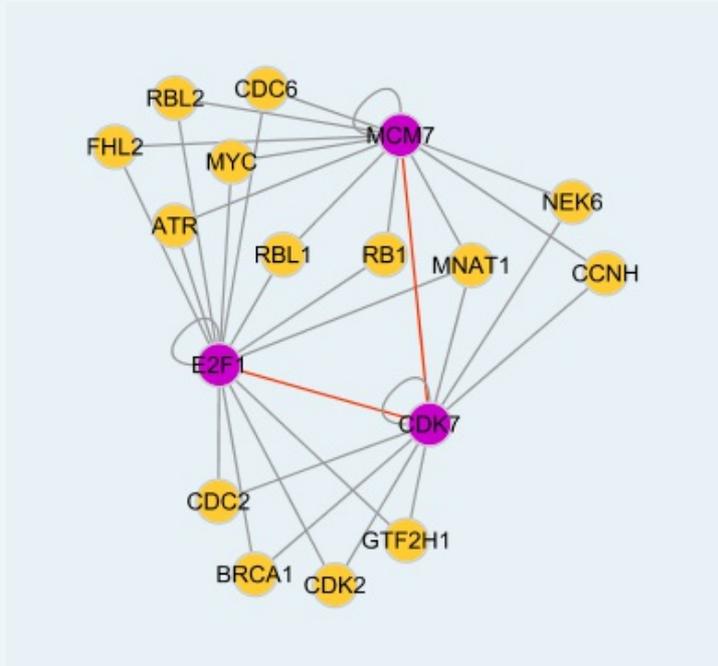
Omim ID: [600592](#)

Gene Ontology: [Hyperlink](#)

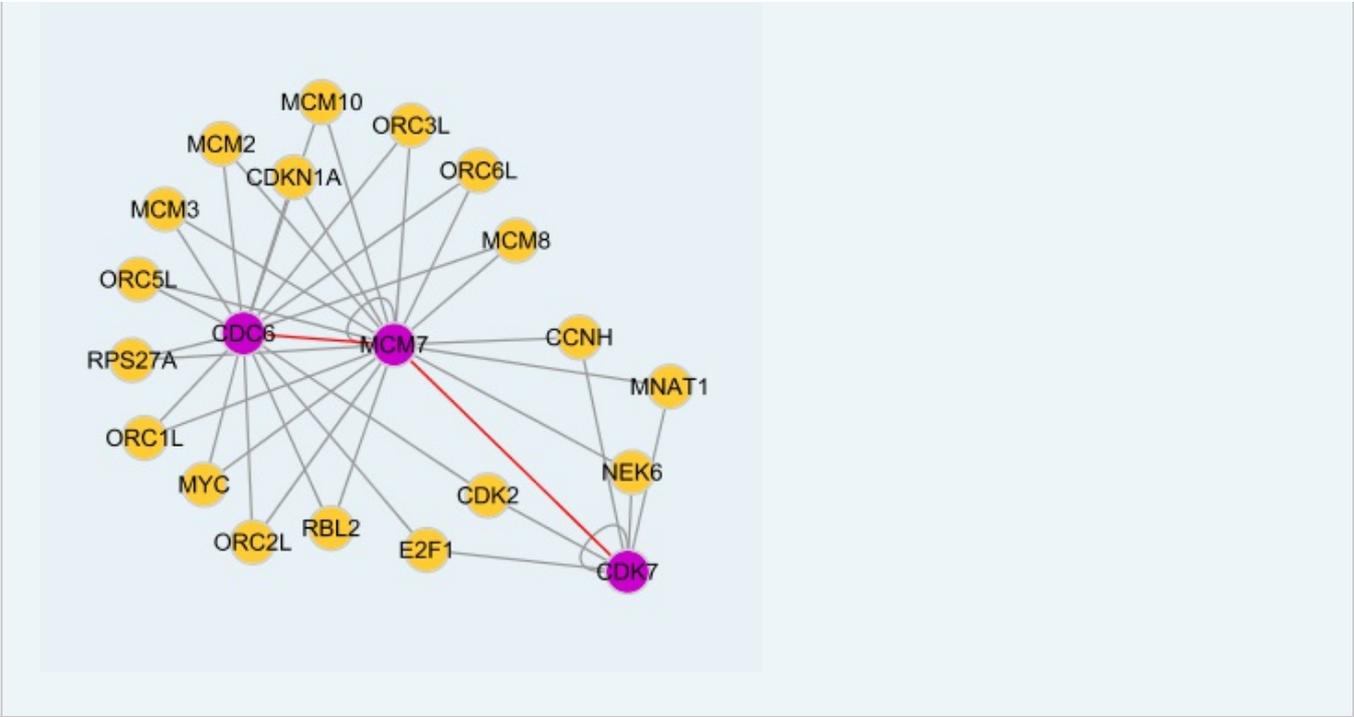
Gene Summary: The protein encoded by this gene is one of the highly conserved minichromosome maintenance proteins (MCM) that are essential for the initiation of eukaryotic genome replication. The hexameric protein complex formed by the MCM proteins is a key component of the pre-replication complex (pre_RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. The MCM complex consisting of this protein and MCM2, 4 and 6 proteins possesses DNA helicase activity, and may act as a DNA unwinding enzyme. Cyclin D1-dependent kinase, CDK4, is found to associate with this protein, and may regulate the binding of this protein with the tumorsuppressor protein RB1/RB. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations: DNA replication licensing factor MCM7,MCM7 minichromosome maintenance deficient 7,homolog of *S. cerevisiae* Cdc47,minichromosome maintenance deficient 7

Interactome 1



Interactome 2



[服務條款](#) | [隱私權政策](#) | [著作及商標](#) | [網站地圖](#)

©2016 亞諾法生技股份有限公司 Abnova Corporation. 版權所有.