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

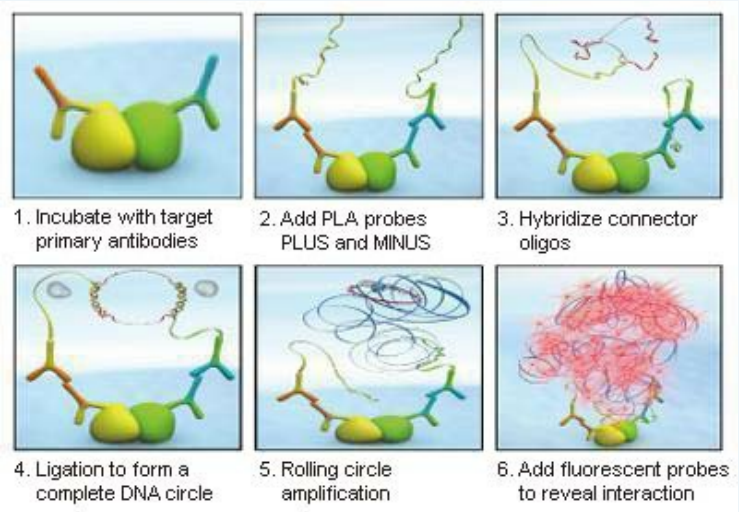
CCNB1 & CDKN1A Protein Protein Interaction Antibody Pair

Catalog # : DI0089 **規格 :** [1 Set]

List All

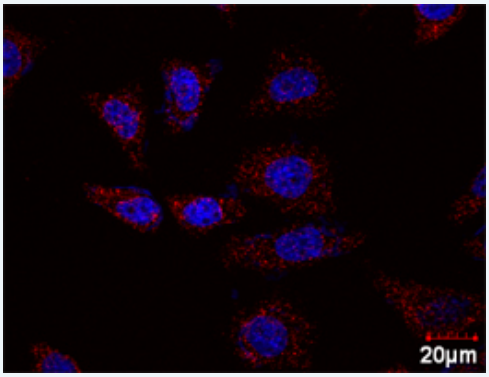
Specification

Product Description: This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CCNB1 protein, and the other against the CDKN1A protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.



Reactivity: Human

Quality Control Testing: Protein protein interaction immunofluorescence result.



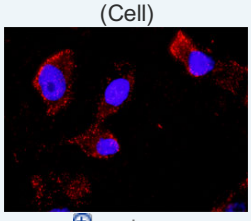
Representative image of Proximity Ligation Analysis of protein-protein interactions between CCNB1 and CDKN1A. HeLa cells were stained with anti-CCNB1 rabbit purified polyclonal antibody 1:100 and anti-CDKN1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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. CCNB1 rabbit purified polyclonal antibody (20 ug)
2. CDKN1A 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 -

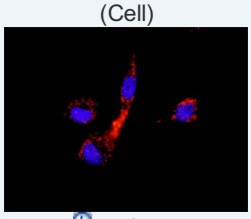
Application Image

In situ Proximity Ligation Assay (Cell)



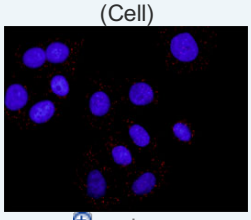
enlarge

In situ Proximity Ligation Assay (Cell)



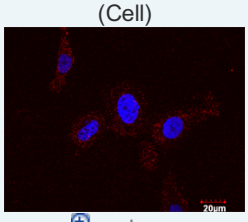
enlarge

In situ Proximity Ligation Assay (Cell)



enlarge

In situ Proximity Ligation Assay (Cell)



enlarge

20°C storage immediately after use.

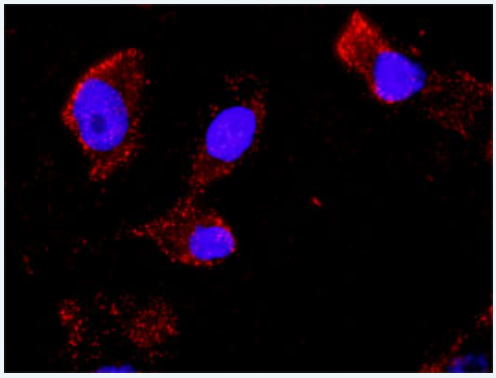
MSDS: Download

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]

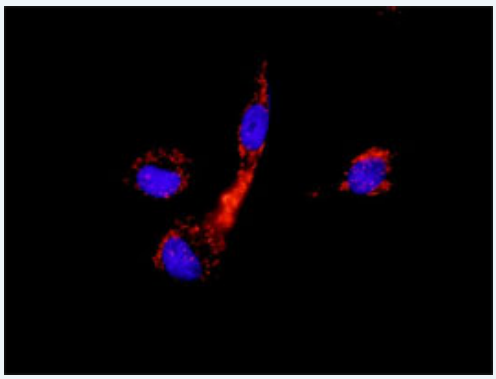
Applications

***In situ* Proximity Ligation Assay (Cell)**



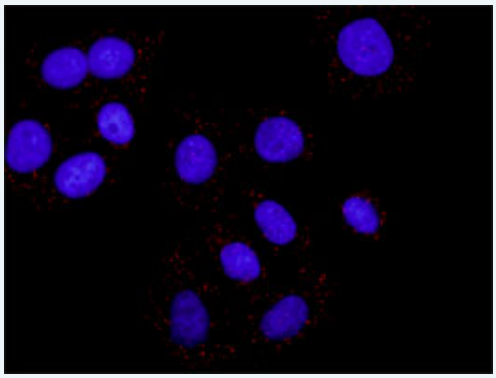
Representative image of Proximity Ligation Assay of protein-protein interactions between CCNB1 and CDKN1A. PC-3 cells were stained with anti-CCNB1 rabbit purified polyclonal antibody 1:100 and anti-CDKN1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



Representative image of Proximity Ligation Assay of protein-protein interactions between CCNB1 and CDKN1A. A-549 cells were stained with anti-CCNB1 rabbit purified polyclonal antibody 1:100 and anti-CDKN1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

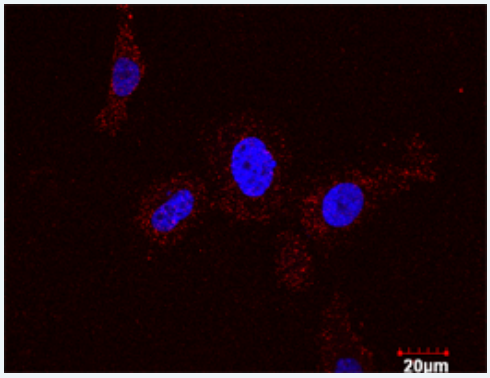
***In situ* Proximity Ligation Assay (Cell)**



Representative image of Proximity Ligation Assay of protein-protein interactions between CCNB1 and CDKN1A. HT-29 cells were stained with anti-CCNB1 rabbit purified polyclonal

antibody 1:100 and anti-CDKN1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

***In situ* Proximity Ligation Assay (Cell)**



Confocal microscopy image of Proximity Ligation Assay of protein-protein interactions between CCNB1 and CDKN1A. PC-3 cells were stained with anti-CCNB1 rabbit purified polyclonal antibody 1:100 and anti-CDKN1A mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

CCNB1 CDKN1A

Gene Information

Entrez GeneID:	891
Gene Name:	CCNB1
Gene Alias:	CCNB
Gene Description:	cyclin B1
Omim ID:	123836
Gene Ontology:	Hyperlink
Gene Summary:	The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq
Other Designations:	G2/mitotic-specific cyclin B1

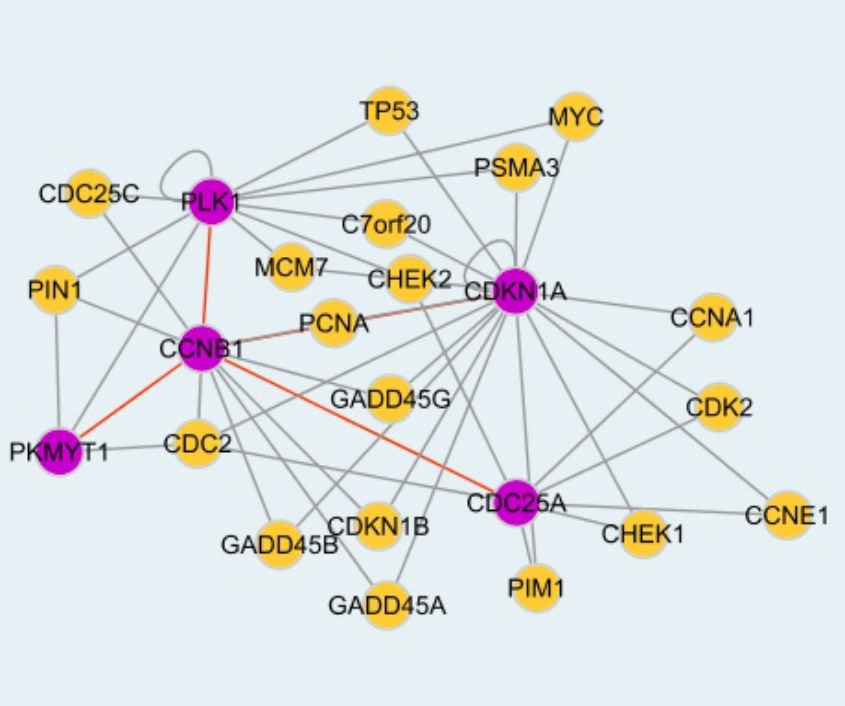
Gene Information

Entrez GeneID:	1026
Gene Name:	CDKN1A
Gene Alias:	CAP20,CDKN1,CIP1,MDA-6,P21,SDI1,WAF1,p21CIP1
Gene Description:	cyclin-dependent kinase inhibitor 1A (p21, Cip1)
Omim ID:	116899
Gene Ontology:	Hyperlink

Gene Summary: This gene encodes a potent cyclin-dependent kinase inhibitor. The encoded protein binds to and inhibits the activity of cyclin-CDK2 or -CDK4 complexes, and thus functions as a regulator of cell cycle progression at G1. The expression of this gene is tightly controlled by the tumor suppressor protein p53, through which this protein mediates the p53-dependent cell cycle G1 phase arrest in response to a variety of stress stimuli. This protein can interact with proliferating cell nuclear antigen (PCNA), a DNA polymerase accessory factor, and plays a regulatory role in S phase DNA replication and DNA damage repair. This protein was reported to be specifically cleaved by CASP3-like caspases, which thus leads to a dramatic activation of CDK2, and may be instrumental in the execution of apoptosis following caspase activation. Two alternatively spliced variants, which encode an identical protein, have been reported. [provided by RefSeq

Other Designations: CDK-interaction protein 1,DNA synthesis inhibitor,OTTHUMP00000016298,cyclin-dependent kinase inhibitor 1A,melanoma differentiation associated protein 6,wild-type p53-activated fragment 1

Interactome 1



Interactome 2