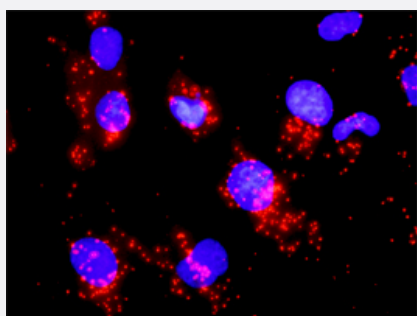


# CCNB1 & CDC25A Protein Protein Interaction Antibody Pair

Catalog # DI0023

Size 1 Set

## Applications



Representative image of Proximity Ligation Assay of protein-protein interactions between CCNB1 and CDC25A. Mahlavu cells were stained with anti-CCNB1 rabbit purified polyclonal antibody 1:1200 and anti-CDC25A 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.

## 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 CDC25A 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 CCNB1 and CDC25A. Mahlavu cells were stained with anti-CCNB1 rabbit purified polyclonal antibody 1:1200 and anti-CDC25A 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 (100 ug)  
2. CDC25A 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 -20°C storage immediately after use.

## Applications



- *In situ* Proximity Ligation Assay (Cell)

## Gene Info — CCNB1

Entrez GeneID	<a href="#">891</a>
Gene Name	CCNB1
Gene Alias	CCNB
Gene Description	cyclin B1
Omim ID	<a href="#">123836</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 Info — CDC25A

Entrez GeneID	<a href="#">993</a>
Gene Name	CDC25A
Gene Alias	CDC25A2
Gene Description	cell division cycle 25 homolog A (S. pombe)
Omim ID	<a href="#">116947</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	CDC25A is a member of the CDC25 family of phosphatases. CDC25A is required for progression from G1 to the S phase of the cell cycle. It activates the cyclin-dependent kinase CDC2 by removing two phosphate groups. CDC25A is specifically degraded in response to DNA damage, which prevents cells with chromosomal abnormalities from progressing through cell division. CDC25A is an oncogene, although its exact role in oncogenesis has not been demonstrated. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]



## Other Designations

M-phase inducer phosphatase 1|cell division cycle 25A|dual specificity phosphatase CDC25A

## Pathway

- [Cell cycle](#)
- [Cell cycle](#)
- [p53 signaling pathway](#)

## Disease

- [Adenocarcinoma](#)
- [Adenocarcinoma](#)
- [Breast Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)