

## 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

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- Trockeneiszuschlag
- Gefahrgutzuschlag
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## SKP1 & CTNNB1 Protein Protein Interaction Antibody Pair

**Catalog #:** DI0120 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 SKP1 protein, and the other against the CTNNB1 protein for use in *in situ* Proximity Ligation Assay. See Publication Reference below.

### **Application Image**

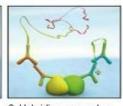
In situ Proximity Ligation Assay (Cell)



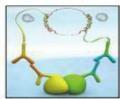
 Incubate with target primary antibodies



2. Add PLA probes PLUS and MINUS



 Hybridize connector oligos



 Ligation to form a complete DNA circle



Rolling circle amplification



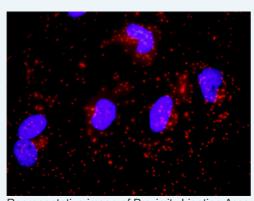
Add fluorescent probes
to reveal interaction

Reactivity:

Human

# Quality Contro

Quality Control Protein protein interaction immunofluorescence result.



Representative image of Proximity Ligation Assay of protein-protein interactions between SKP1 and CTNNB1. HeLa cells were stained with anti-SKP1 rabbit purified polyclonal antibody 1:1200 and anti-CTNNB1 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. SKP1 rabbit purified polyclonal antibody (20 ug)
- 2. CTNNB1 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 -

MSDS:

<u>m</u>Download

#### **Publication Reference**

 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)

CTNNB1 SKP1

#### **Gene Information**

Entrez GeneID: 6500

Gene Name: SKP1

Gene Alias: EMC19,MGC34403,OCP-II,OCP2,SKP1A,TCEB1L,p19A

Gene S-phase kinase-associated protein 1

**Description:** 

Omim ID: 601434

Gene Ontology: Hyperlink

Gene Summary: This gene encodes a component of SCF complexes, which are

composed of this protein, cullin 1, a ring-box protein, and one member of the F-box family of proteins. This protein binds directly to the F-box motif found in F-box proteins. SCF complexes are involved in the regulated ubiquitination of specific protein substrates, which targets them for degradation by the proteosome. Specific F-box proteins recognize different target protein(s), and many specific SCF substrates have been identified including regulators of cell cycle progression and development. Studies have also characterized the protein as an RNA polymerase II elongation factor. Alternative splicing of this gene results in two transcript variants. A related pseudogene has been identified on

chromosome 7. [provided by RefSeq

Other RNA polymerase II elongation factor-like protein OCP2,cyclin A/CDK2-

**Designations:** associated p19,organ of Corti protein 2,transcription elongation factor B

(SIII), polypeptide 1-like

### **Gene Information**

Entrez GenelD: 1499

Gene Name: CTNNB1

Gene Alias: CTNNB,DKFZp686D02253,FLJ25606,FLJ37923

Gene catenin (cadherin-associated protein), beta 1, 88kDa

**Description:** 

Omim ID: <u>114550</u>, <u>116806</u>, <u>132600</u>, <u>155255</u>

Gene Ontology: Hyperlink

Gene Summary: Beta-catenin is an adherens junction protein. Adherens junctions (AJs;

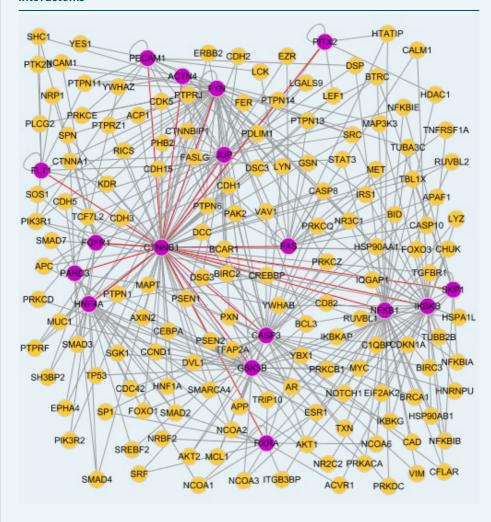
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also called the zonula adherens) are critical for the establishment and maintenance of epithelial layers, such as those lining organ surfaces. AJs mediate adhesion between cells, communicate a signal that neighboring cells are present, and anchor the actin cytoskeleton. In serving these roles, AJs regulate normal cell growth and behavior. At several stages of embryogenesis, wound healing, and tumor cell metastasis, cells form and leave epithelia. This process, which involves the disruption and reestablishment of epithelial cell-cell contacts, may be regulated by the disassembly and assembly of AJs. AJs may also function in the transmission of the 'contact inhibition' signal, which instructs cells to stop dividing once an epithelial sheet is complete. [supplied by OMIM

Other Designations:

OTTHUMP00000165222,OTTHUMP00000165223,catenin (cadherinassociated protein), beta 1 (88kD),catenin beta-1

#### Interactome



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