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# Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


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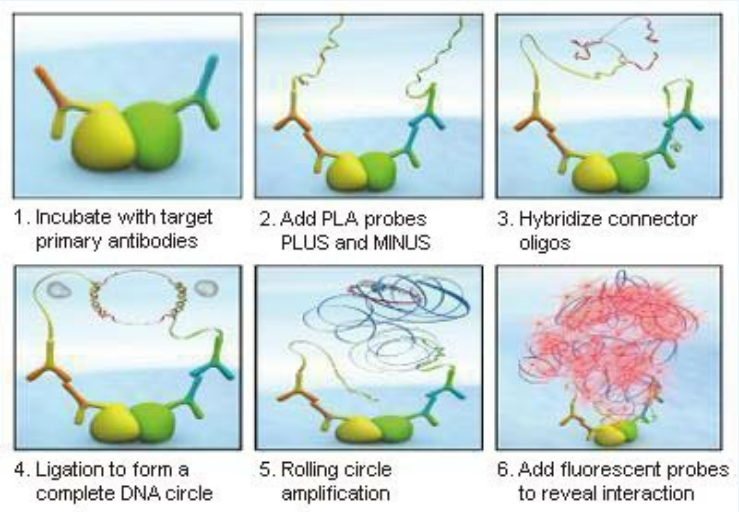
# CTNNA3 & CTNNB1 Protein Protein Interaction Antibody Pair

**Catalog # :** DI0114 **規格 :** [ 1 Set ]

List All

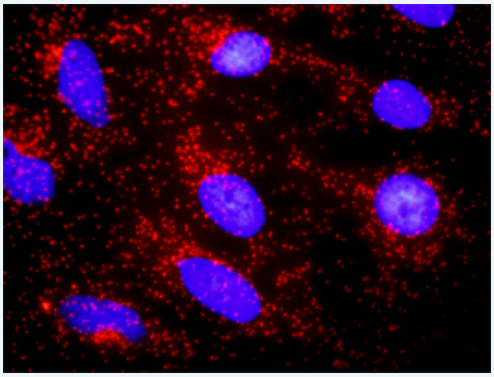
## Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the CTNNA3 protein, and the other against the CTNNB1 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 CTNNA3 and CTNNB1. HeLa cells were stained with anti-CTNNA3 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. CTNNA3 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 -

## Application Image

*In situ* Proximity Ligation Assay (Cell)

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)**

CTNNB1 CTNNA3

## Gene Information

**Entrez GeneID:** 29119

**Gene Name:** CTNNA3

**Gene Alias:** MGC26194,MGC75041,VR22

**Gene Description:** catenin (cadherin-associated protein), alpha 3

**Omim ID:** 607667

**Gene Ontology:** Hyperlink

**Other Designations:** OTTHUMP00000019684,alpha-T-catenin,alpha-catenin-like protein,catenin, alpha 3

## Gene Information

**Entrez GeneID:** 1499

**Gene Name:** CTNNB1

**Gene Alias:** CTNNB,DKFZp686D02253,FLJ25606,FLJ37923

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

**Omim ID:** 114550, 116806, 132600, 155255

**Gene Ontology:** Hyperlink

**Gene Summary:** Beta-catenin is an adherens junction protein. Adherens junctions (AJs; 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** OTTHUMP00000165222,OTTHUMP00000165223,catenin (cadherin-

**Designations:** associated protein), beta 1 (88kD),catenin beta-1

## Interactome