



# 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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## HNF4A & CTNNB1 Protein Protein Interaction Antibody Pair

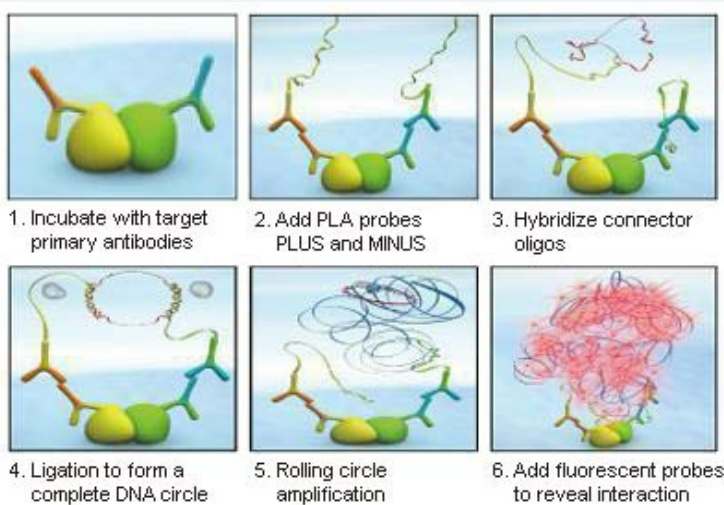
Catalog # : DI0123

規格 : [ 1 Set ]

[List All](#)

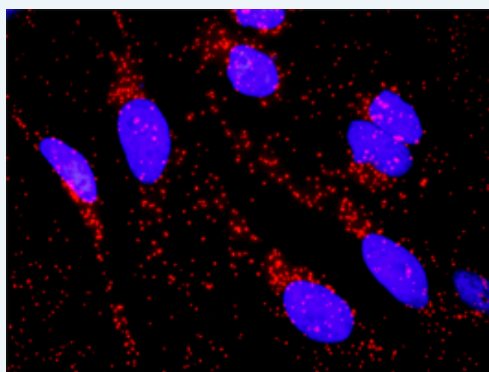
### Specification

**Product Description:** This protein protein interaction antibody pair set comes with two antibodies to detect the protein-protein interaction, one against the HNF4A 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.



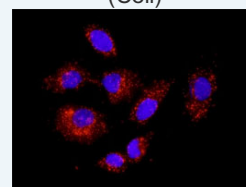
Representative image of Proximity Ligation Assay of protein-protein interactions between HNF4A and CTNNB1. HeLa cells were stained with anti-HNF4A rabbit purified polyclonal antibody 1:1200 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction 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. HNF4A 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 -

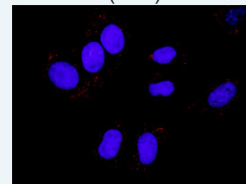
### Application Image

*In situ* Proximity Ligation Assay (Cell)



[enlarge](#)

*In situ* Proximity Ligation Assay (Cell)



[enlarge](#)

**MSDS:**

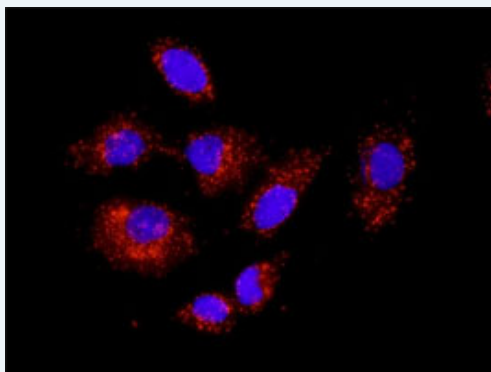


**Publication Reference**

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]

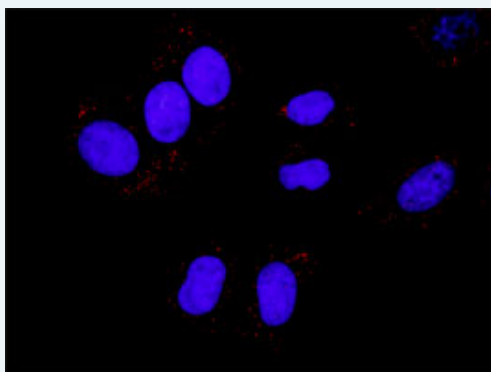
**Applications**

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



Representative image of Proximity Ligation Assay of protein-protein interactions between HNF4A and CTNNB1. A-549 cells were stained with anti-HNF4A rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 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 HNF4A and CTNNB1. HT-29 cells were stained with anti-HNF4A rabbit purified polyclonal antibody 1:100 and anti-CTNNB1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

CTNNB1 HNF4A

**Gene Information**

**Entrez GeneID:** 3172

**Gene Name:** HNF4A

**Gene Alias:** FLJ39654,HNF4,HNF4a7,HNF4a8,HNF4a9,MODY,MODY1,NR2A1,NR2A21,TCF,TCF14

**Gene Description:** hepatocyte nuclear factor 4, alpha

**Omim ID:** [125850](#), [125853](#), [600281](#)

**Gene Ontology:** [Hyperlink](#)

**Gene Summary:** The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq]

**Other Designations:** HNF4-alpha, OTTHUMP00000031060, OTTHUMP00000031062, hepatic nuclear factor 4 alpha, hepatocyte nuclear factor 4 alpha, transcription factor-14

### 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 Designations:** OTTHUMP00000165222, OTTHUMP00000165223, catenin (cadherin-associated protein), beta 1 (88kD), catenin beta-1

### Interactome 1

