



# SZABO SCANDIC

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## Produktinformation



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## CTNNB1 Validated Chimera RNAi

Catalog # : H00001499-R01V

規格 : [ 10 nmol ] [ 20 nmol ]

[List All](#)

### Specification

**Product Description:** Homo sapiens catenin (cadherin-associated protein), beta 1, 88kDa (CTNNB1), mRNA.

**Reactivity:** Human

**Supplied Product:** DEPC water

**Target Refseq:** NM\_001904

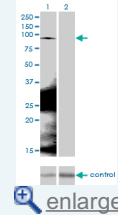
**Storage Instruction:** Store at -20°C, do not exceed 4 - 5 freeze-thaw cycles to ensure product integrity.

**Note:** Position of the Chimera RNAi.



### Application Image

RNAi Knockdown (Antibody validated)

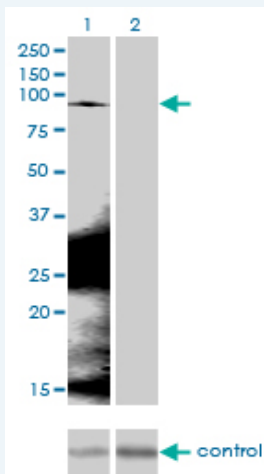


### Publication Reference

- [dsCheck: highly sensitive off-target search software for double-stranded RNA-mediated RNA interference.](#)  
Naito Y, Yamada T, Matsumiya T, Ui-Tei K, Saigo K, Morishita S. *Nucleic Acids Res.* 2005 Jul 1;33(Web Server issue):W589-91.
- [Functional dissection of siRNA sequence by systematic DNA substitution: modified siRNA with a DNA seed arm is a powerful tool for mammalian gene silencing with significantly reduced off-target effect.](#)  
Ui-Tei K, Naito Y, Zenno S, Nishi K, Yamato K, Takahashi F, Juni A, Saigo K. *Nucleic Acids Res.* 2008 Apr;36(7):2136-51. Epub 2008 Feb 11.
- [Guidelines for the selection of highly effective siRNA sequences for mammalian and chick RNA interference.](#)  
Ui-Tei K, Naito Y, Takahashi F, Haraguchi T, Ohki-Hamazaki H, Juni A, Ueda R, Saigo K. *Nucleic Acids Res.* 2004 Feb 9;32(3):936-48. Print 2004.
- [siDirect: highly effective, target-specific siRNA design software for mammalian RNA interference.](#)  
Naito Y, Yamada T, Ui-Tei K, Morishita S, Saigo K. *Nucleic Acids Res.* 2004 Jul 1;32(Web Server issue):W124-9.

### Applications

RNAi Knockdown (Antibody validated)



Western blot analysis of CTNNB1 over-expressed 293 cell line, cotransfected with CTNNB1 Validated Chimera RNAi ( Cat # H00001499-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with CTNNB1 monoclonal antibody (M02), clone 1C9 (Cat # H00001499-M02 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.

 [Protocol Download](#)

## Gene Information

**Entrez GeneID:** [1499](#)

**Gene Name:** CTNNB1

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

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

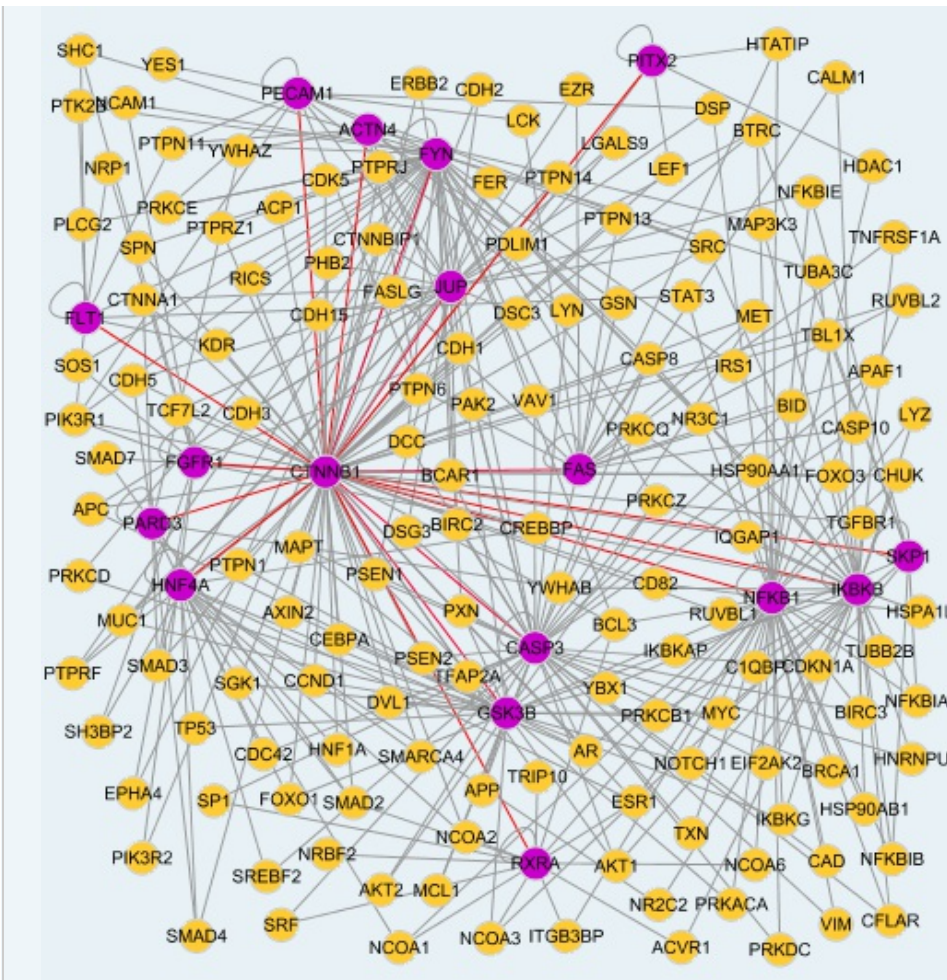
**Omim ID:** [114550](#), [116806](#), [132600](#), [155255](#)

**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



### Gene Pathway

[Adherens junction](#)
[Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)  
[Basal cell carcinoma](#)
[Colorectal cancer](#)
[Endometrial cancer](#)
[Focal adhesion](#)  
[Leukocyte transendothelial migration](#)
[Melanogenesis](#)  
[Pathogenic Escherichia coli infection - EHEC Pathways in cancer](#)
[Prostate cancer](#)  
[Thyroid cancer](#)
[Tight junction](#)
[Wnt signaling pathway](#)

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