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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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CTNNB1 monoclonal antibody (M05), clone 4H4

Catalog # : H00001499-M05

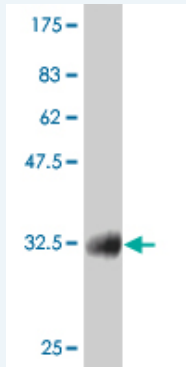
規格 : [100 ug]

[List All](#)

Specification

Product Description:	Mouse monoclonal antibody raised against a partial recombinant CTNNB1.
Immunogen:	CTNNB1 (AAH58926, 682 a.a. ~ 781 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	LFRTEPMAWNETADLGLDIGAQGEPLGYRQDDPSYRSFHSGGYGQDALGMDPMMHEHEMGGHHPGADYPVDGLPDLGHAQDLMDGLPPGDSNQLA WFDTDL
Host:	Mouse
Reactivity:	Human
Isotype:	IgG2a Kappa

Quality Control Testing: Antibody Reactive Against Recombinant Protein.



Western Blot detection against Immunogen (36.74 KDa) .

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS: [Download](#)

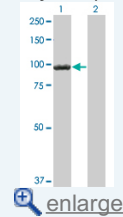
Datasheet: [Download](#)

Applications

Western Blot (Transfected lysate)

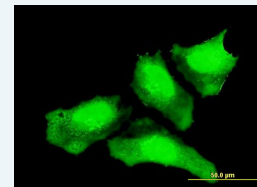
Application Image

Western Blot (Transfected lysate)

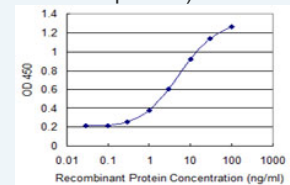


Western Blot (Recombinant protein)

Immunofluorescence

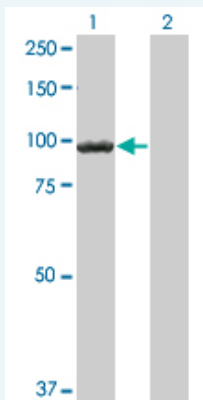


Sandwich ELISA (Recombinant protein)



[enlarge](#)

ELISA



Western Blot analysis of CTNNB1 expression in transfected 293T cell line by CTNNB1 monoclonal antibody (M05), clone 4H4.

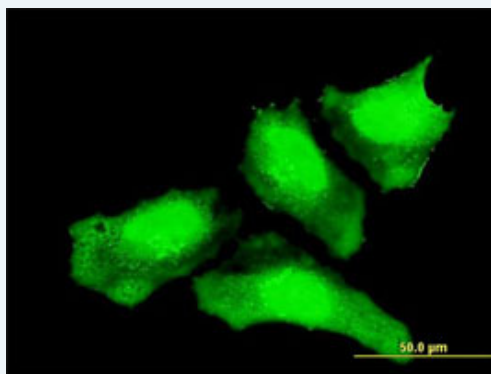
Lane 1: CTNNB1 transfected lysate(85.5 KDa).
Lane 2: Non-transfected lysate.

[Protocol Download](#)

Western Blot (Recombinant protein)

[Protocol Download](#)

Immunofluorescence

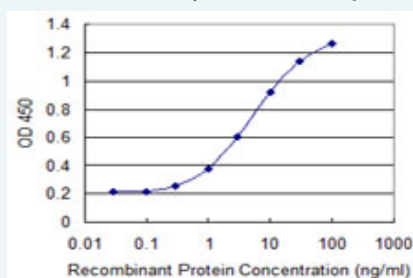


[enlarge this image](#)

Immunofluorescence of monoclonal antibody to CTNNB1 on HeLa cell . [antibody concentration 10 ug/ml]

[Protocol Download](#)

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged CTNNB1 is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

ELISA

Gene Information

Entrez GeneID: [1499](#)

GeneBank [NM_001904](#)

Accession#:

Protein [AAH58926](#)

Accession#:

Gene Name: CTNNB1

Gene Alias: CTNNB,DKFZp686D02253,FLJ25606,FLJ37923

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

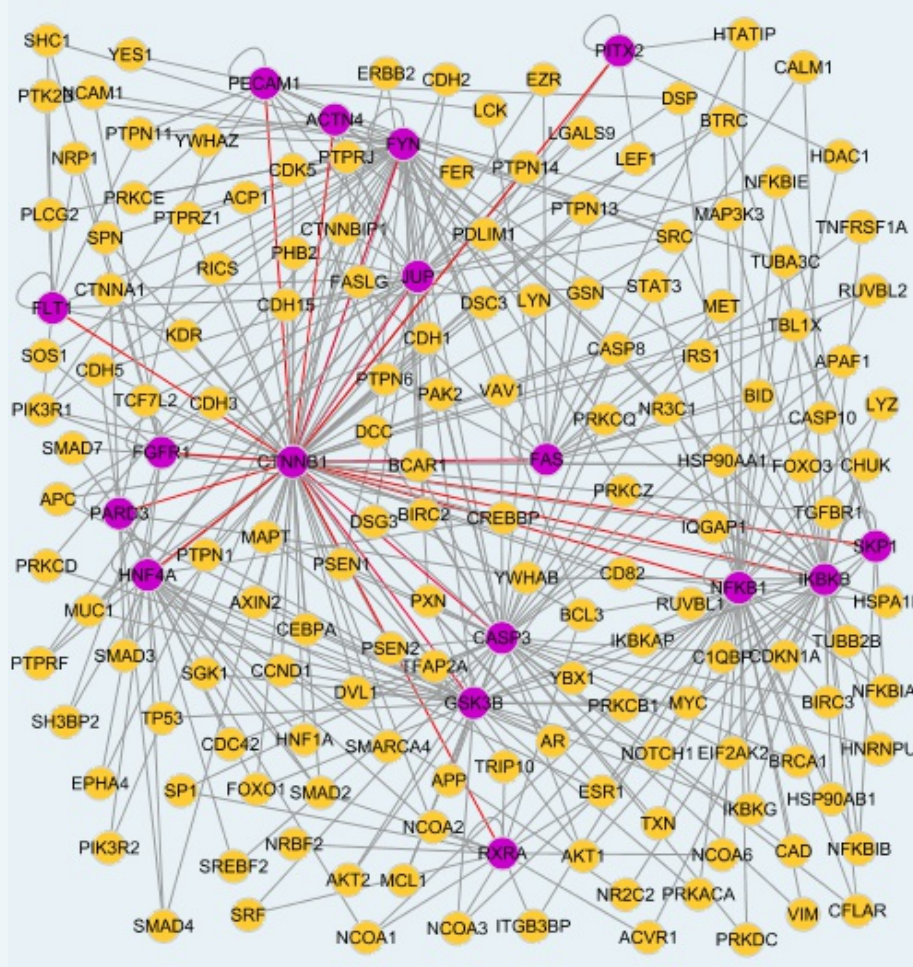
Omim ID: [114550](#), [116806](#), [132600](#), [152555](#)

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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