Datasheet for ABIN2792527

anti-CTNNB1 antibody (C-Term)

6 Images | 1 Publication

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Overview

Quantity:	100 µL
Target:	CTNNB1
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Dog, Zebrafish (Danio rerio), Horse, Rabbit, Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CTNNB1 antibody is un-conjugated
Application:	Western Blotting (WB), Chromatin Immunoprecipitation (ChIP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the C-terminal region of human CTNNB1
Sequence:	RTEPMAWNET ADLGLDIGAQ GEPLGYRQDD PSYRSFHSGG YGQDALGMDP
Cross-Reactivity:	Cow (Bovine), Dog (Canine), Chicken, Human, Mouse (Murine), Pig (Porcine), Rat (Rattus)
Predicted Reactivity:	Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Zebrafish: 100%
Characteristics:	This is a rabbit polyclonal antibody against CTNNB1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CTNNB1
Alternative Name:	CTNNB1 / Beta Catenin (CTNNB1 Products)
Background:	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.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]. Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-54 DA216720.1 1-54 55-2626 X87838.1 1-2572 2627-3720 AC104307.2 83770-84863 Alias Symbols: CTNNB, DKFZp686D02253, FLJ25606, FLJ37923 Protein Interaction Partner: PPARD, PLA2G4A, FBXO45, BTRC, SUMO1, UBC, HUWE1, CDH5, CDH2, TCF4, TBL1X, SOX1, SKP1, RNF220, CACYBP, FBXW11, SUMO2, SIAH1, Apc2, COPS5, RNF14, CDH1, SP1, KCTD1, MDM2, UBE2B, GSK3B, NEK2, RBX1, PTGS2, STRN3, LATS2, APC, ELAVL1, AMOT, ABL1, AXIN1, CBL, LEF Protein Size: 781
Molecular Weight:	85 kDa
Gene ID:	1499
NCBI Accession:	NM_001904, NP_001895
UniProt:	P35222

Target Details

Pathways:	WNT Signaling, Intracellular Steroid Hormone Receptor Signaling Pathway, Peptide Hormone Metabolism, Regulation of Muscle Cell Differentiation, Cell-Cell Junction Organization, Tube Formation, Maintenance of Protein Location, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

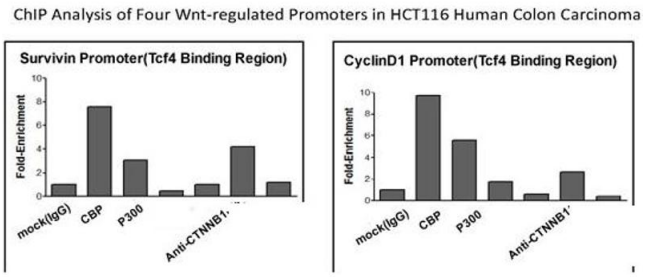
Application Notes:	WB Suggested Anti-CTNNB1 Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:62500 Positive Control: Human heart. Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 781 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

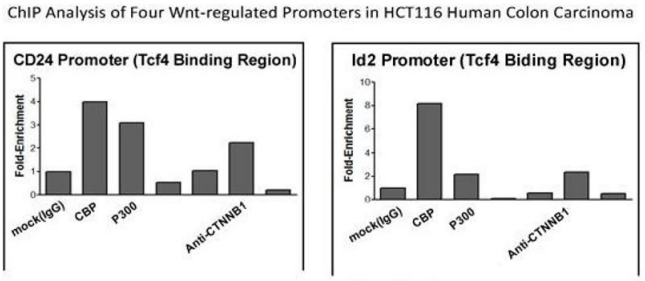
Publications

Product cited in:	Li, Yang, Tang, Zhang, Feng, Cui: "Repair of massively defected hemi-joints using demineralized osteoarticular allografts with protected cartilage." in: **Journal of materials science. Materials in medicine**, Vol. 26, Issue 8, pp. 227, (2015) (PubMed).



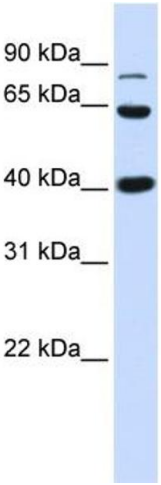
Chromatin Immunoprecipitation

Image 1. CTNNB1 Antibody - middle region (P100601_P050) validated by CHIP using HCT116 cell lysate



Chromatin Immunoprecipitation

Image 2. CTNNB1 Antibody - middle region (P100601_P050) validated by CHIP using HCT116 cell lysate



Western Blotting

Image 3. WB Suggested Anti-CTNNB1 Antibody Titration: 0.2-1 ug/mlELISA Titer: 1:62500Positive Control: Fetal Heart

Please check the product details page for more images. Overall 6 images are available for ABIN2792527.