



Mouse Anti-Human Beta-Catenin monoclonal antibody, clone JID627 (CABT-L2903)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human Beta-Catenin
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID627
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Fibromatosis Of Breast
Format	Liquid
Size	Predilute: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Beta-Catenin is a cytoplasmic protein with a dual role in cell-cell adhesion and gene expression. It is normally present in the submembranous regions of the cell. Nuclear accumulation of beta-catenin has been found to occur as a result of gene mutations. This accumulation is useful in identifying desmoids tumours (fibromatosis) in the abdomen and breast, and is therefore useful in differentiating other cell neoplasms in these regions.
Keywords	CTNNB;CTNNB1;catenin (cadherin-associated protein), beta 1, 88kDa;FLJ25606;FLJ37923;DKFZp686D02253;catenin beta-1;OTTHUMP00000162082;OTTHUMP00000165222;OTTHUMP00000165223;OTTHUMP00000209288;O Anti-Human CTNNB1 Molecule Monoclonal Antibody;CTNNB1 MAb;CTNNB1 antibody;CTNNB1 molecule MAb;NM_001098209;NP_001091679;Entrez: 1499;Entrez Gene: 1499;Gene ID: 1499;Entrez 1499;Entrez Gene 1499;Gene ID 1499;3p21;MIM: 116806;P35222;UniProtKB: P35222;CTNNB1catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens];Beta catenin;Beta-catenin;Cadherin associated protein;Catenin beta 1;CATNB;CTNB1_HUMAN;catenin (cadherin-associated protein), beta;Catenin beta (exon 3) MAb;Anti-Catenin beta (exon 3) MAb;Mouse Anti-Catenin beta (exon 3) MAb;Catenin beta (exon 3) Monoclonal Antibody;Anti-Catenin beta (exon 3) Monoclonal Antibody;Mouse Anti-Catenin beta (exon 3) Monoclonal Antibody;Catenin beta (exon 3) Antibody;Anti-Catenin beta (exon 3) Antibody;Mouse Anti-Catenin beta (exon 3) Antibody;Catenin beta MAb;Anti-Catenin beta MAb;Mouse Anti-Catenin beta MAb;Catenin beta Monoclonal Antibody;Anti-Catenin beta Monoclonal Antibody;Mouse Anti-Catenin beta Monoclonal Antibody;Catenin beta Antibody;Anti-Catenin beta Antibody;Mouse Anti-Catenin beta Antibody;CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa;catenin (cadherin-associated protein), beta 1 (88kD);CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens];UniProt ID: P35222;catenin (cadherin associated protein), beta 1 (88kD) , CTNNB;Beta catenin antibody;Beta-catenin antibody;Cadherin associated protein antibody;Catenin beta 1 antibody;Catenin beta-1 antibody;CATNB antibody;CTNB1_HUMAN antibody;CTNNB antibody;UniProtKB:P35222;CTNNB1 gene;CTNB1 protein;CTNB1 antibody;catenin (cadherin-associated protein);beta 1;88kDa;beta 1 (88kD);OK/SW-cl.35;PRO2286;GeneID: 1499;Rabbit Anti-Human β -catenin (C-term) Molecular Polyclonal Antibody; β -catenin (C-term) PAb; β -catenin (C-term) Antibody; β -catenin (C-term) Molecular PAb;Rabbit Anti-CTNNB1 Polyclonal Antibody;Anti-CTNNB1 Polyclonal Antibody;CTNNB1 Polyclonal Antibody;Rabbit Anti-CTNNB1 PAb;Anti-CTNNB1 PAb;CTNNB1 PAb;Rabbit Anti-CTNNB1 Antibody;Anti-CTNNB1 Antibody;HGNC: 2514;Ensembl: ENSG00000168036;OMIM: 116806;Mouse Anti-CTNNB1 Monoclonal Antibody;Anti-CTNNB1 Monoclonal Antibody;CTNNB1 Monoclonal Antibody;Mouse Anti-CTNNB1 MAb;Anti-CTNNB1 MAb;Mouse Anti-CTNNB1 Antibody;Mouse Anti-CTNNB1 Monoclonal;Anti-CTNNB1 Monoclonal;CTNNB1 Monoclonal;Rabbit

Anti-CTNNB1 Monoclonal Antibody;Rabbit Anti-CTNNB1 MAb;Rabbit Anti-CTNNB1 Polyclonal Antibody;Anti-CTNNB1 Polyclonal Antibody;CTNNB1 Polyclonal Antibody; β -Catenin ELISA KIT; β -Catenin ELISA;KIT;ELISA KIT;CTNNB1 Antibody;catenin (cadherin-associated protein), beta 1, 88kDa Antibody;CTNNB1 monoclonal Antibody;catenin (cadherin-associated protein), beta 1, 88kDa monoclonal Antibody;Mouse Anti-Human CTNNB1 Monoclonal Antibody;beta catenin;beta-catenin;Human beta Catenin (phospho S33) peptide;beta Catenin (phospho S33) peptide;MRD19;armadillo;

GENE INFORMATION

Gene Name	CTNNB1 catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapiens (human)]
Official Symbol	CTNNB1
Synonyms	CTNNB1; catenin (cadherin-associated protein), beta 1, 88kDa; CTNNB; MRD19; armadillo; catenin beta-1;
Entrez Gene ID	1499
Protein Refseq	NP_001091679
UniProt ID	A0A024R2Q3
Chromosome Location	3p21
Pathway	AMER1 mutants destabilize the destruction complex; APC truncation mutants are not K63 polyubiquitinated; APC truncation mutants have impaired AXIN binding; AXIN missense mutants destabilize the destruction complex; AXIN mutants destabilize the destruction complex, activating WNT signaling; Adherens junction; Adherens junctions interactions; Adipogenesis;
Function	I-SMAD binding; R-SMAD binding; RNA polymerase II activating transcription factor binding; SMAD binding; alpha-catenin binding; androgen receptor binding; cadherin binding; double-stranded DNA binding; enzyme binding; estrogen receptor binding; euchromatin binding; ion channel binding; ionotropic glutamate receptor binding; kinase binding; nitric-oxide synthase binding; nuclear hormone receptor binding; protein C-terminus binding; protein binding; protein complex binding; protein phosphatase binding; repressing transcription factor binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; transcription coactivator activity; transcription factor binding; transcription regulatory region DNA binding;